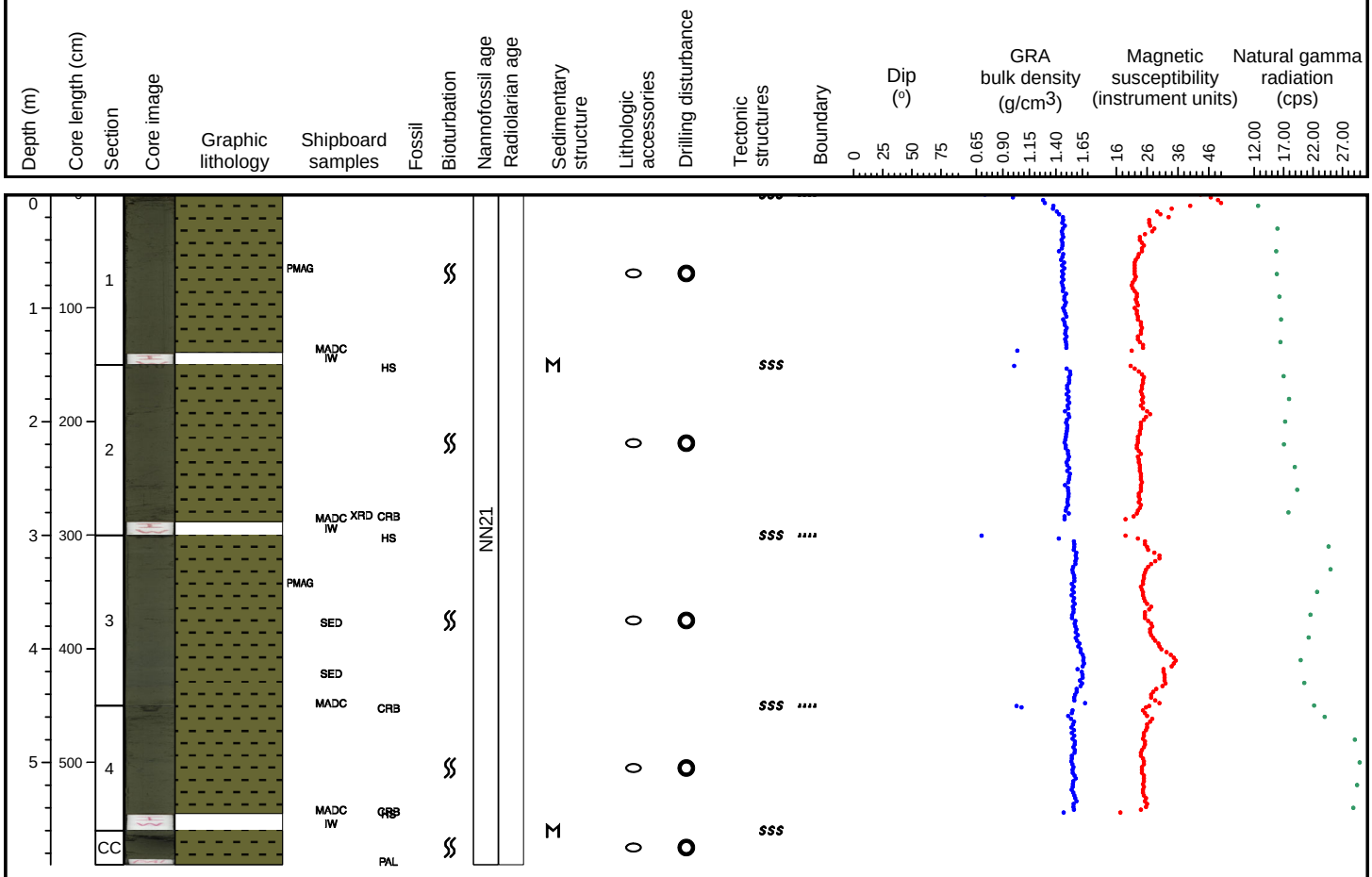
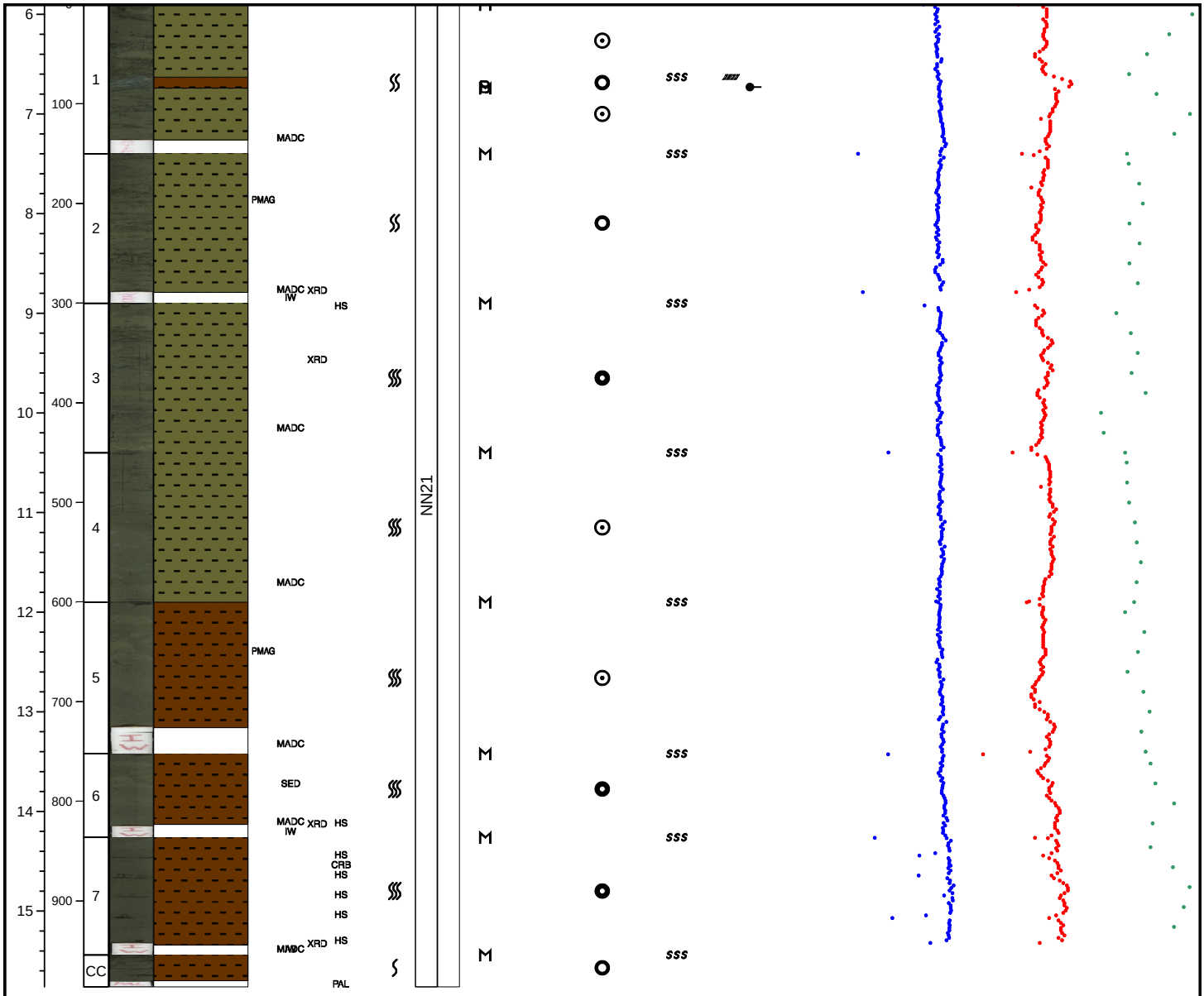
Hole 344-U1412A Core 1H, Interval 0.0-5.9 m (CSF-A)

Dark greenish grey silty clay with terrigenous components (px, hbl, lithics, glass, chlorite, biotite), pyrite, pods of sponge spicules and glauconite.



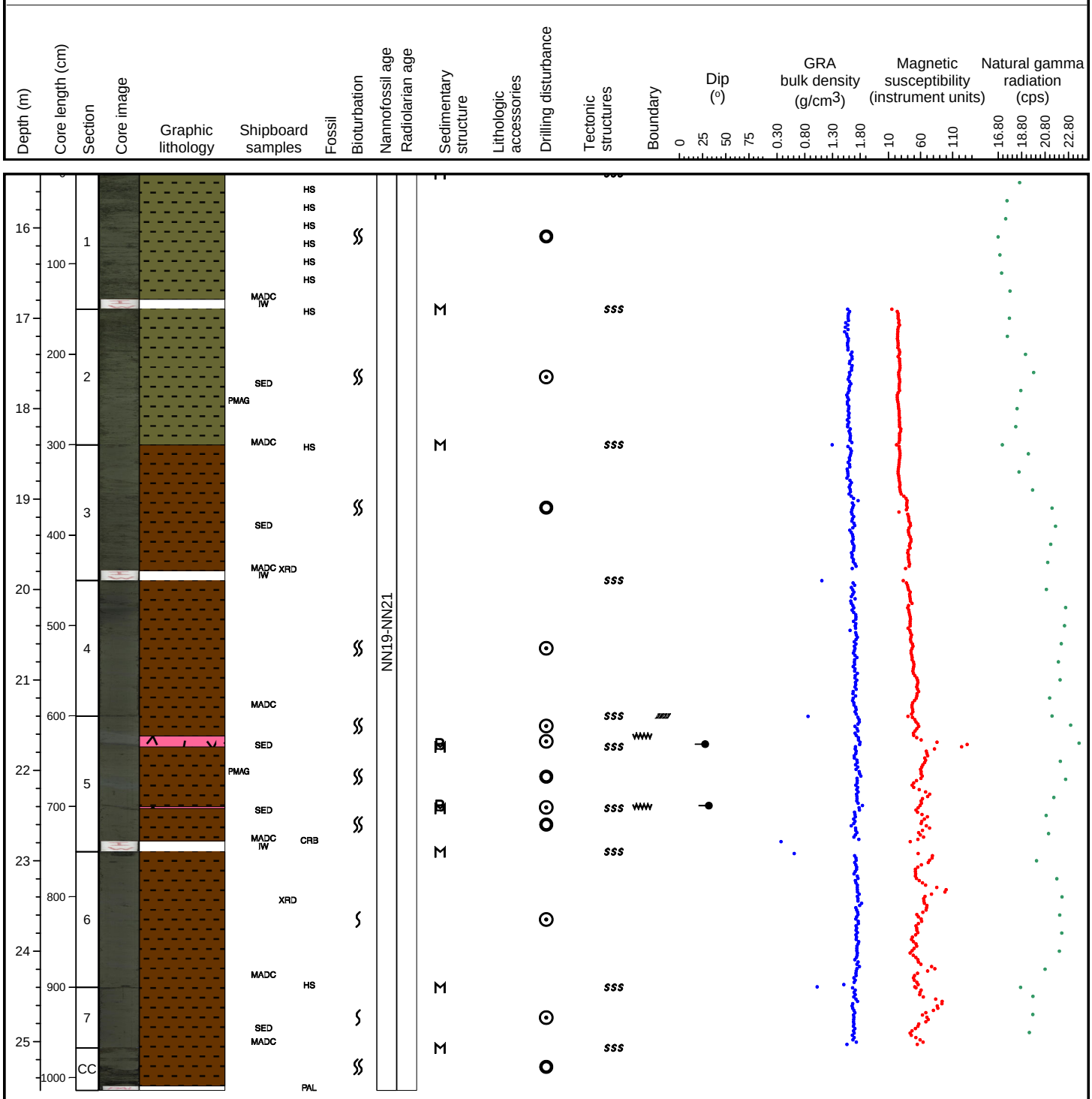
Hole 344-U1412A Core 2H, Interval 5.9-15.76 m (CSF-A)

Dark greenish grey silty clay grading into clay with increasing depth. Common clasts of sponge spicules and pyrite, rare wood splinters and one clast of loose sand. Section 1 contains a bed of glauconite at 73-84 cm; a few spots of glauconite and calcareous clay are disseminated through the core.



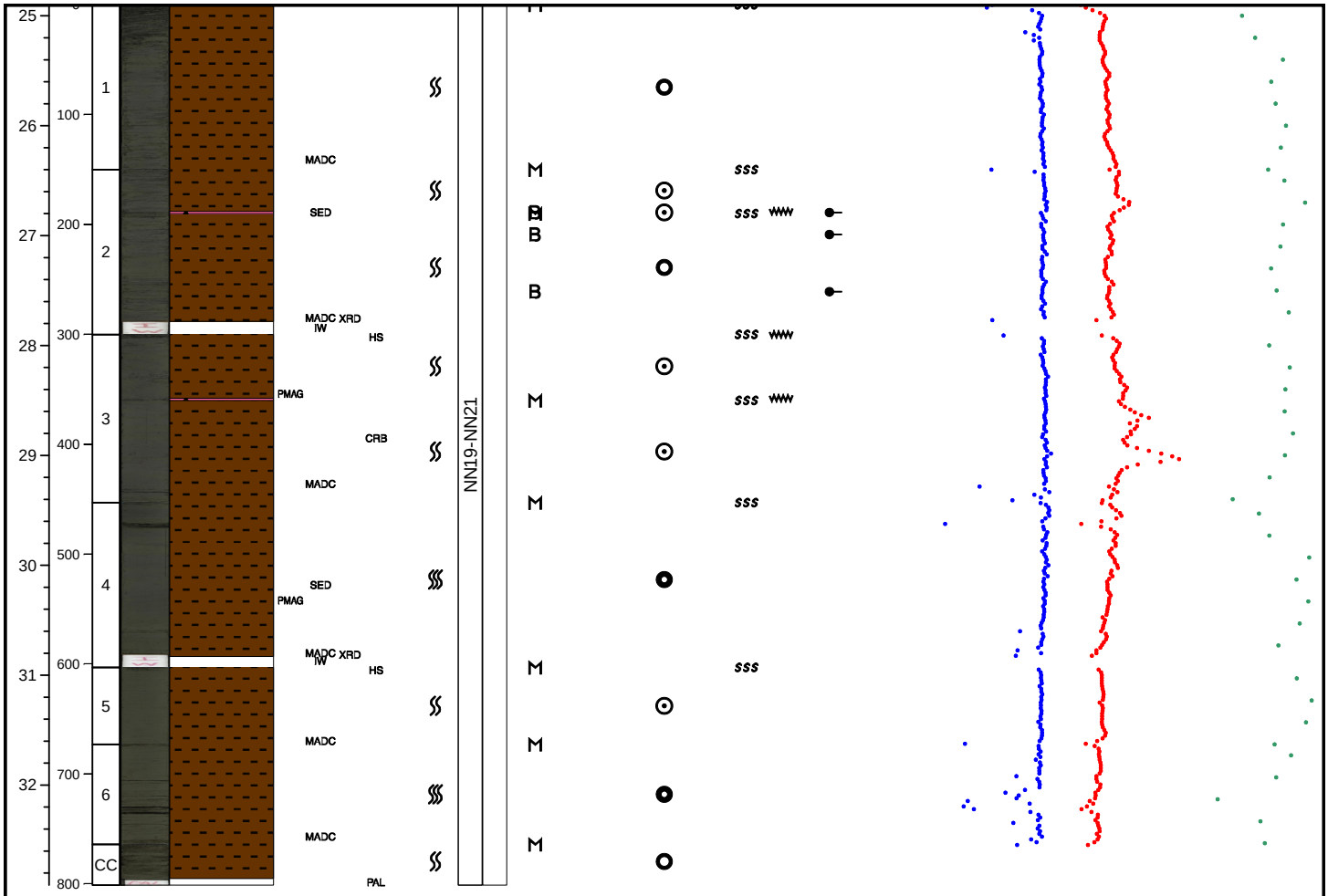
Hole 344-U1412A Core 3H, Interval 15.4-25.54 m (CSF-A)

Dark greenish grey clay with some fine silt in the upper sections. Few disseminated sponge spicules in upper half. Ash pods and fleck disseminated through core, and two graded fallout ash layers in section 5 at 22-34 cm (ash enriched at bottom) and 100-102 cm. Bioturbation present.



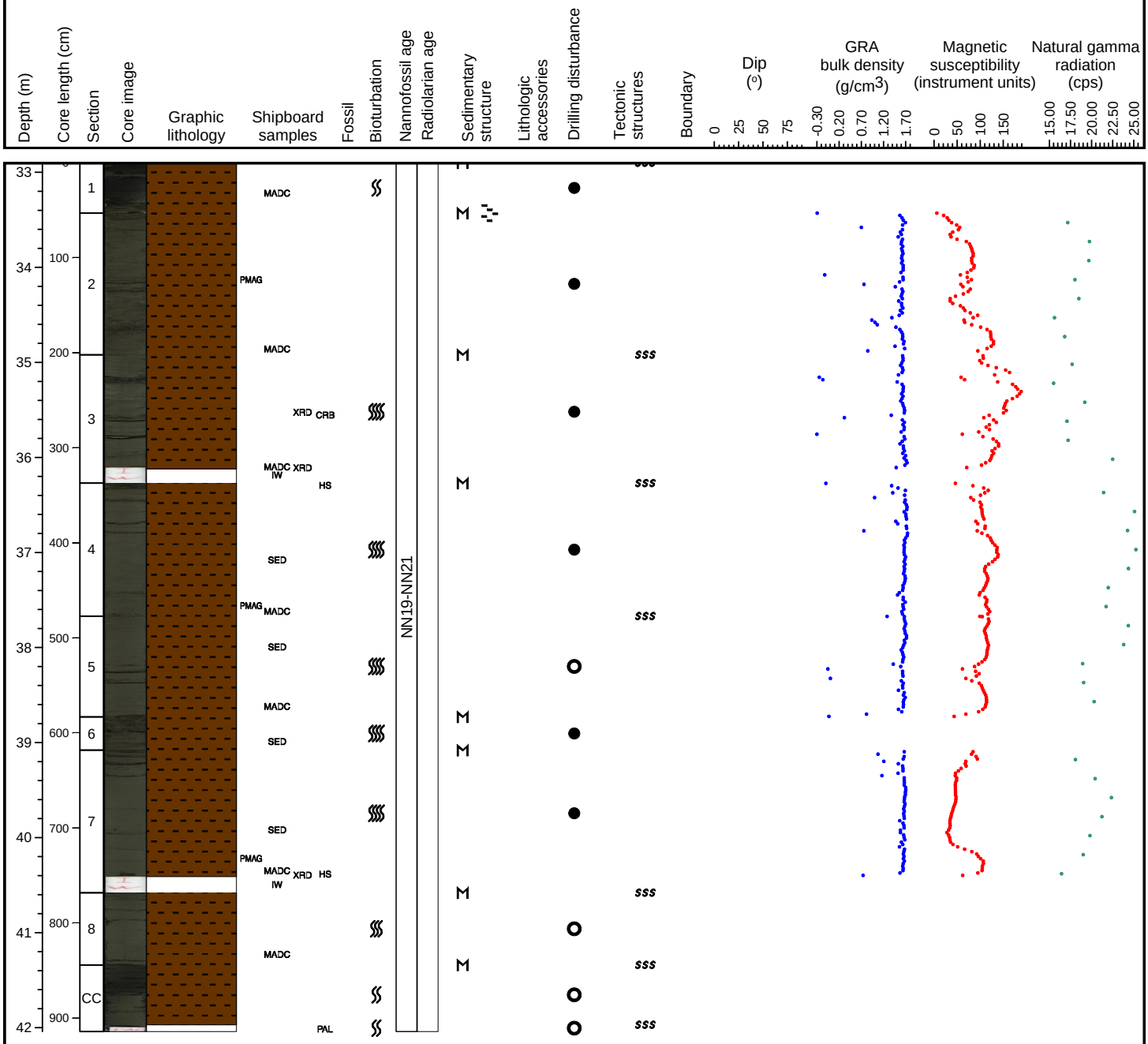
Hole 344-U1412A Core 4H, Interval 24.9-32.91 m (CSF-A)

Dark greenish grey clay with little fine silt. Very rare disseminated sponge spicules. Same ash pods and two fallout ash layers in section 2 at 38-40 cm, and section 3 at 58-60 cm. Bioturbation present. Some cm-thick voids opened by drilling.



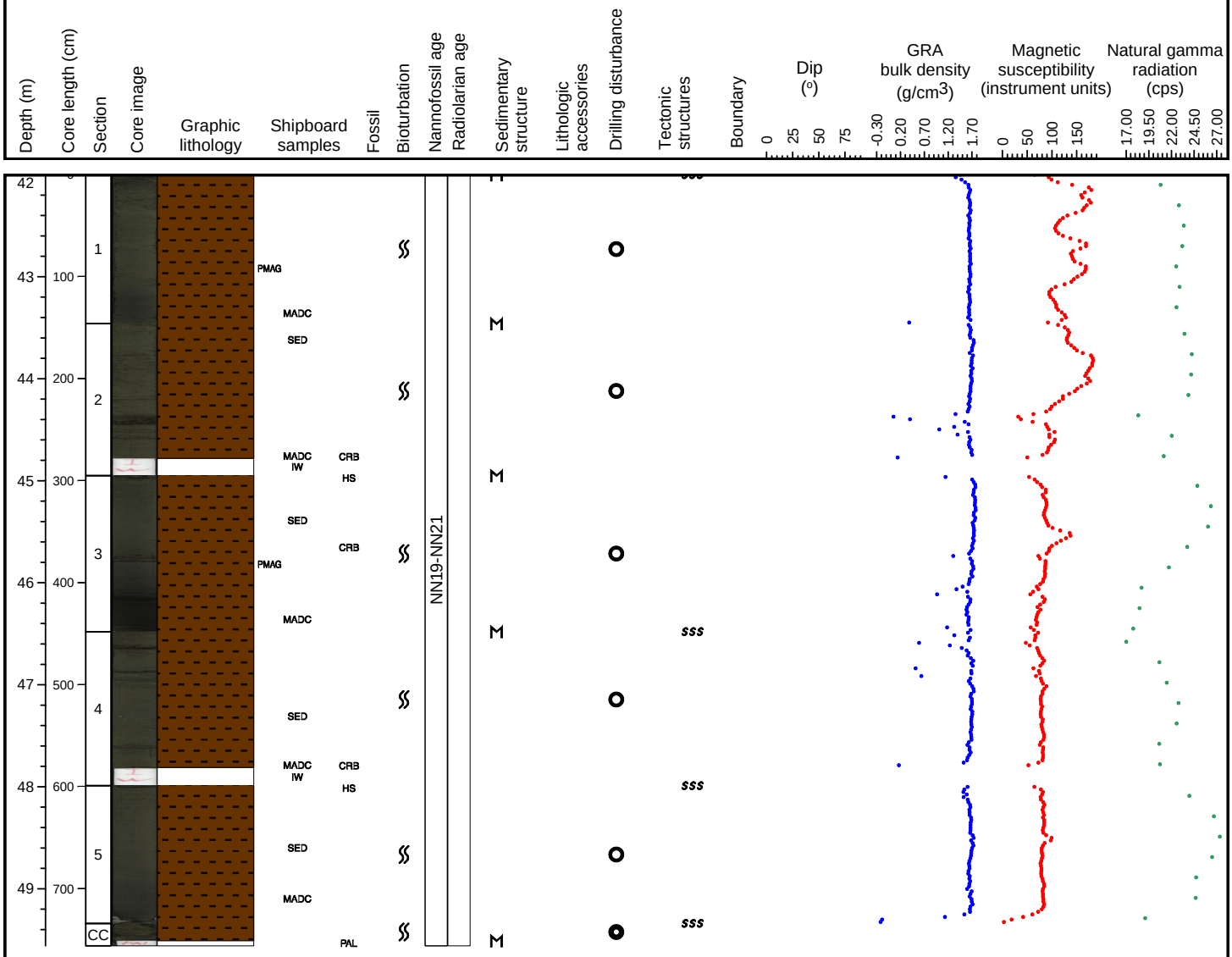
Hole 344-U1412A Core 5H, Interval 32.9-42.04 m (CSF-A)

Dark greenish grey clay with little fine silt. Very rare disseminated sponge spicules. Bioturbation present. Wood fragments in sections 4, 6 and 7. Some cm-thick voids opened by drilling.



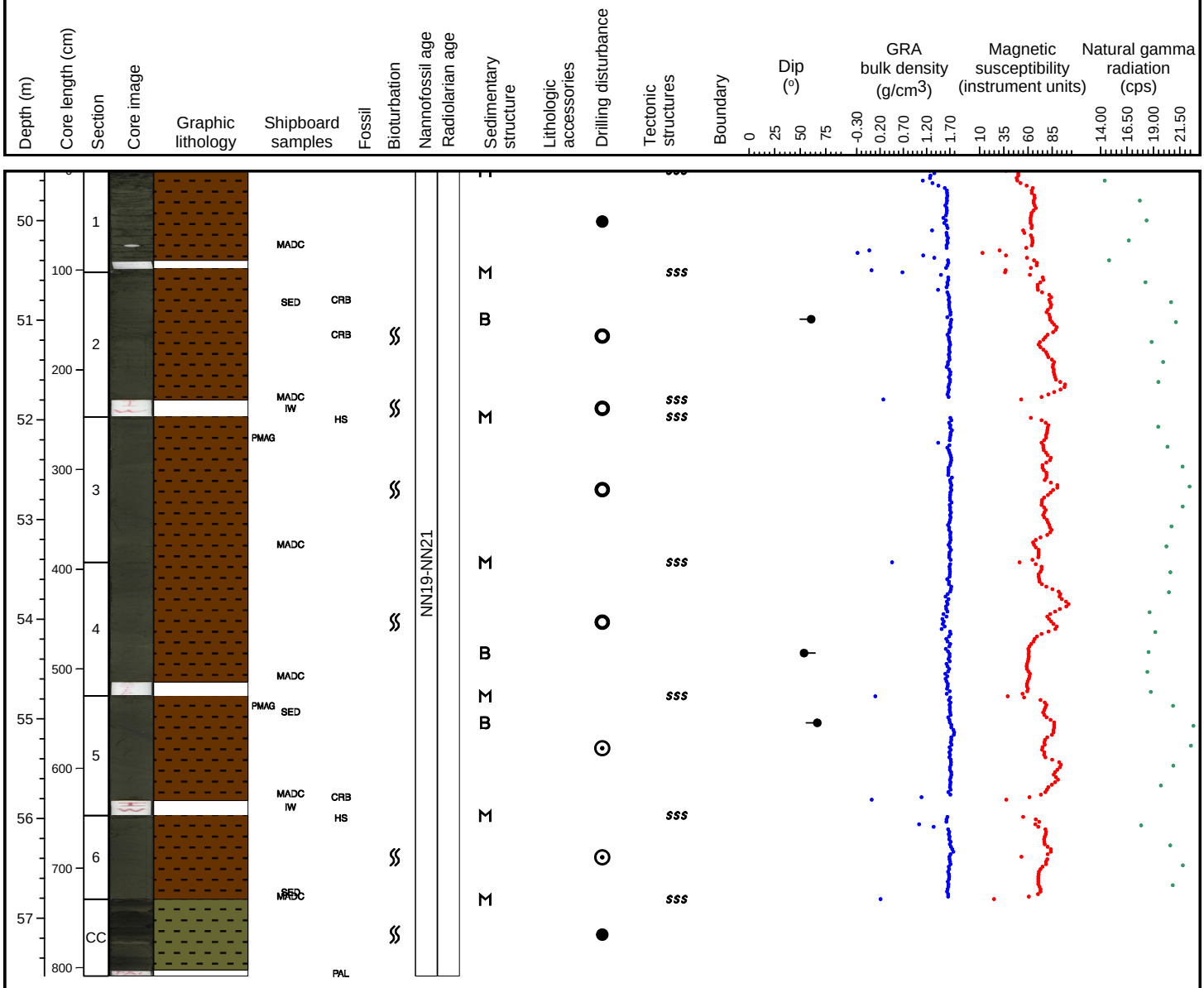
Hole 344-U1412A Core 6H, Interval 42.0-49.56 m (CSF-A)

Dark greenish grey clay with little fine silt. Rare disseminated white clasts of sponge spicules. Bioturbation present. Traces of pyrite throughout the core. Some cm-thick voids opened by drilling.



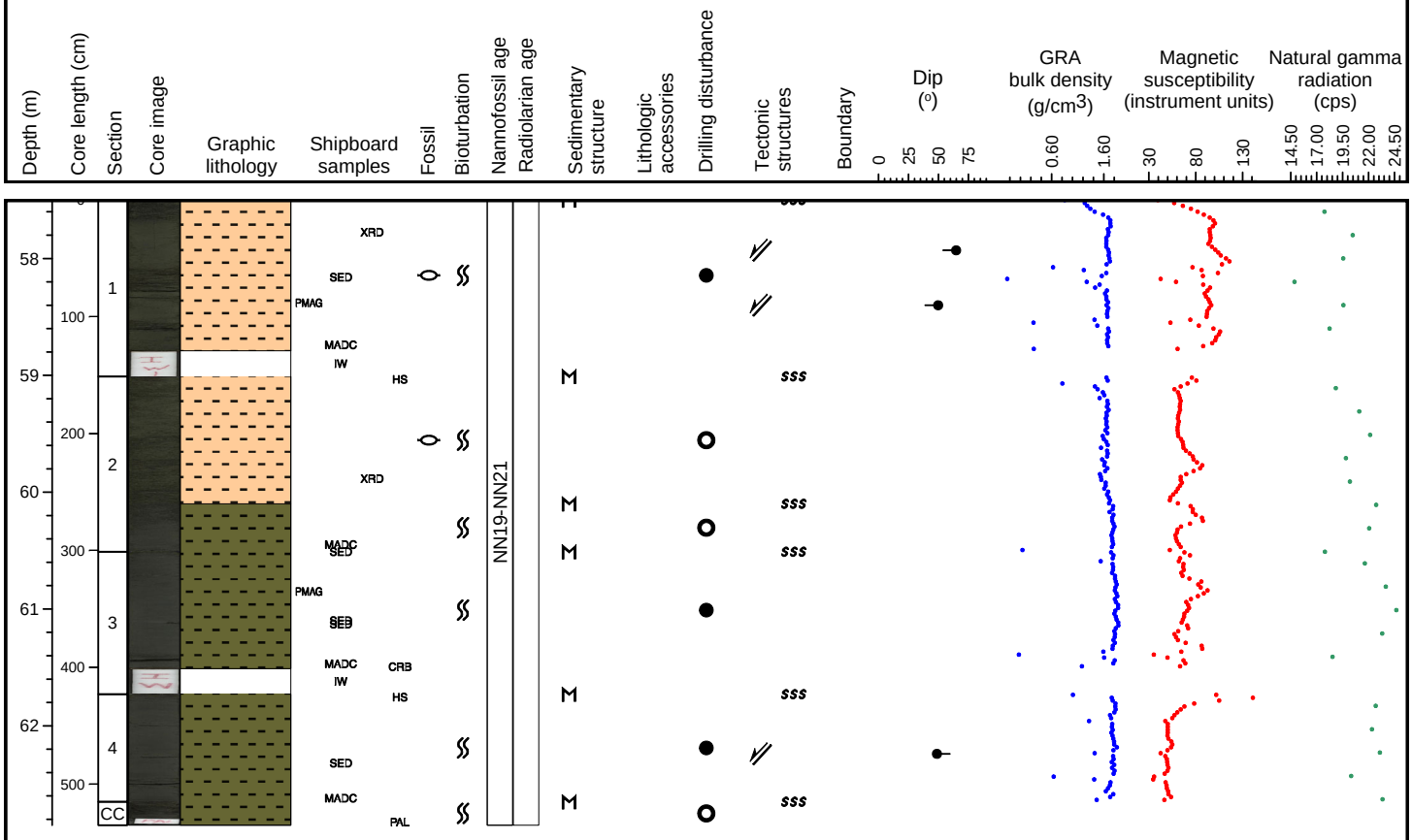
Hole 344-U1412A Core 7H, Interval 49.5-57.58 m (CSF-A)

Dark greenish grey clay with little fine sil in the core-catchert. Rare disseminated white clasts of sponge spicules. Spot of calcareous clay in section 4 at 84 cm. Bioturbation present. Disrupted sediment in section 1 owing to gas expansion. Image of section 1 was taken from the working half.



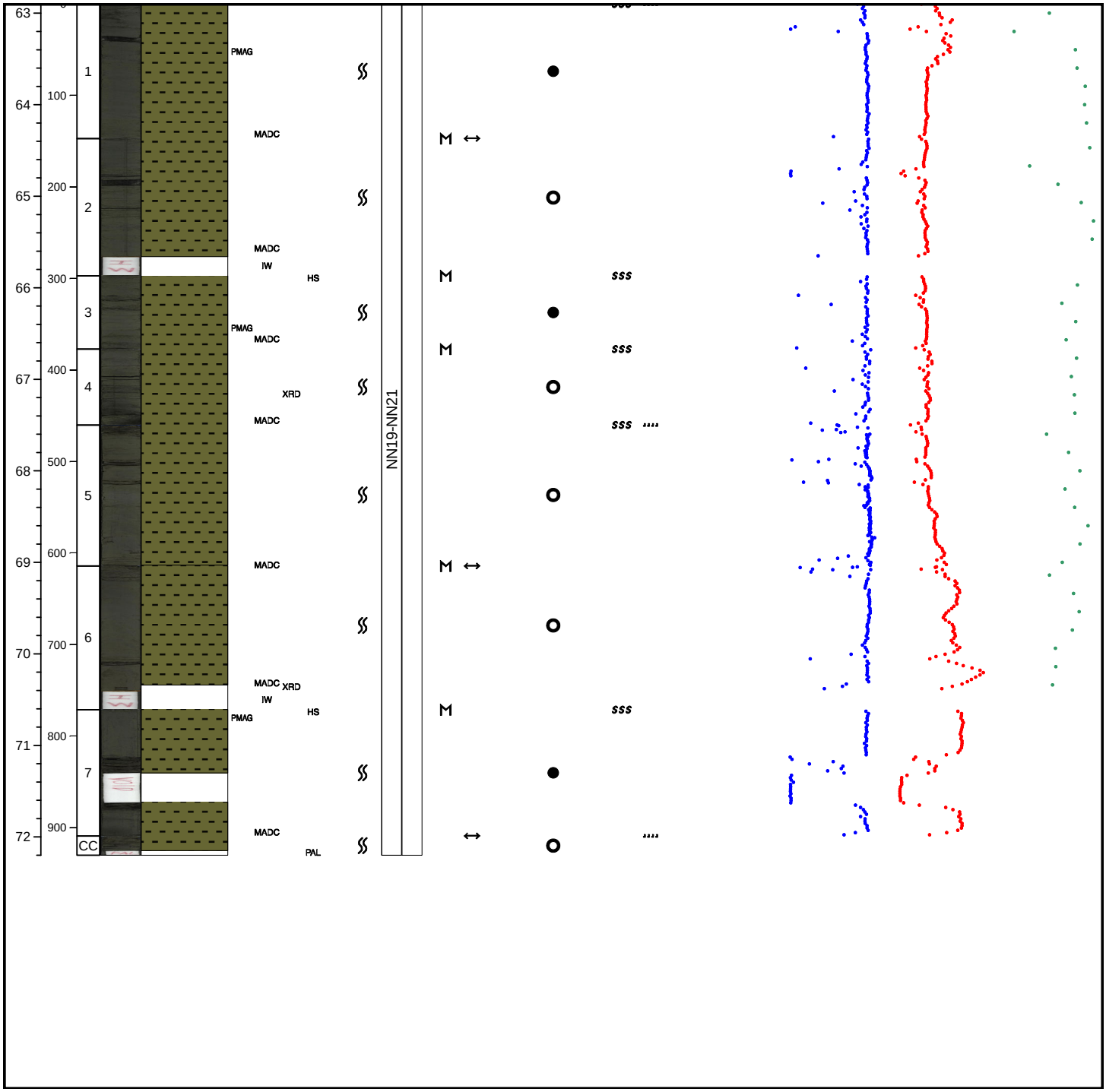
Hole 344-U1412A Core 8H, Interval 57.5-62.85 m (CSF-A)

Dark greenish clay that changes into silty clay with stronger emphasize of the grey color and more abundant nannos. First part (section 1 to 2 at 109) is still characterized by mushy horizons with a clay matrix where texture is no longer visible probably due to the vanishing of matrix stabilizing hydrate. Small pods of siliceous biogenic matter dispersed allover the core.



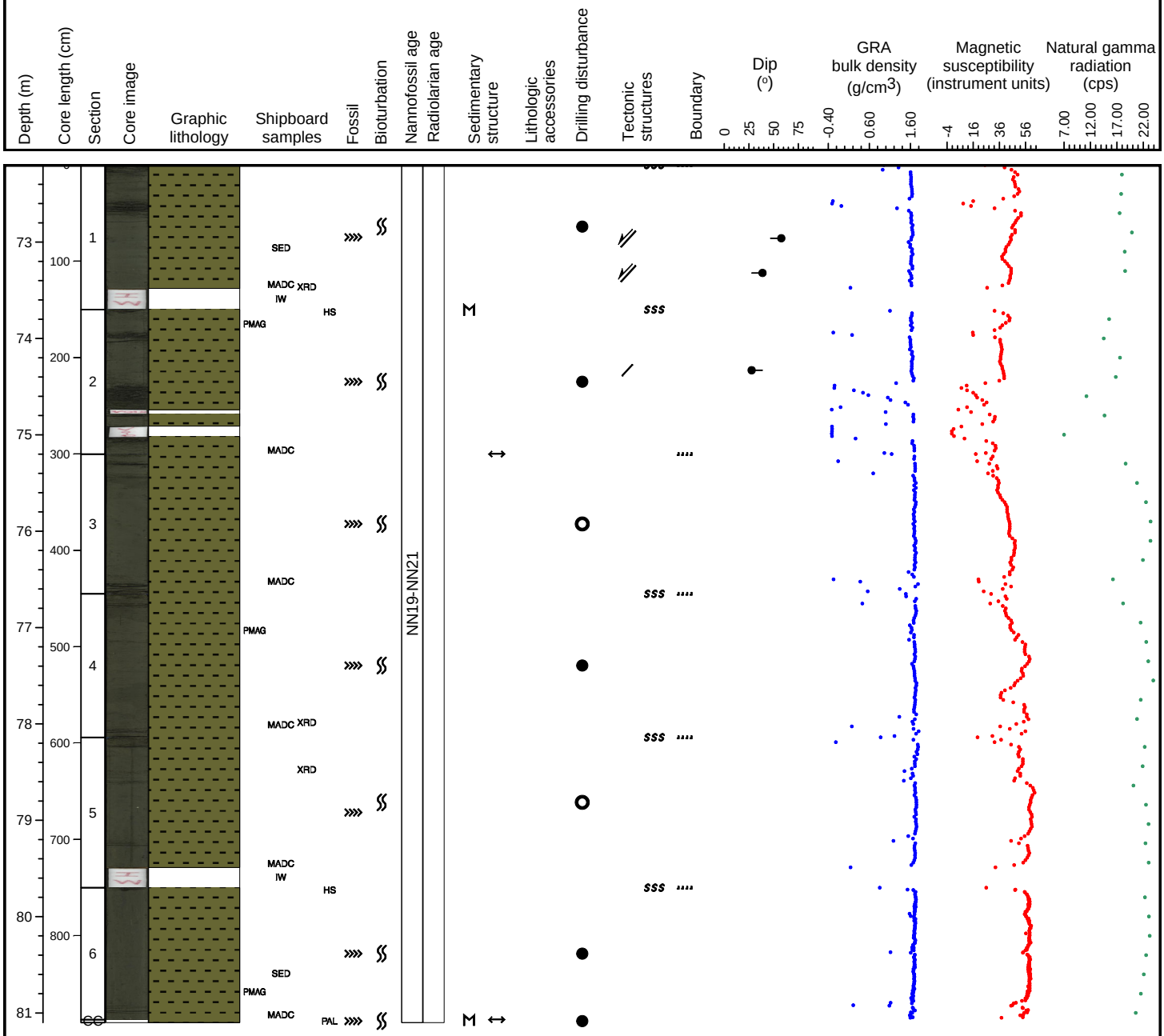
Hole 344-U1412A Core 9H, Interval 62.9-72.2 m (CSF-A)

Dark greenish clay interlayered with silty clay with stronger emphasize of the grey color and more abundant nannos. Clay texture is no longer visible probably due to the vanishing of matrix stabilizing hydrate. Small pods of siliceous biogenic matter dispersed allover the core and two pyrite nuggets are visible.



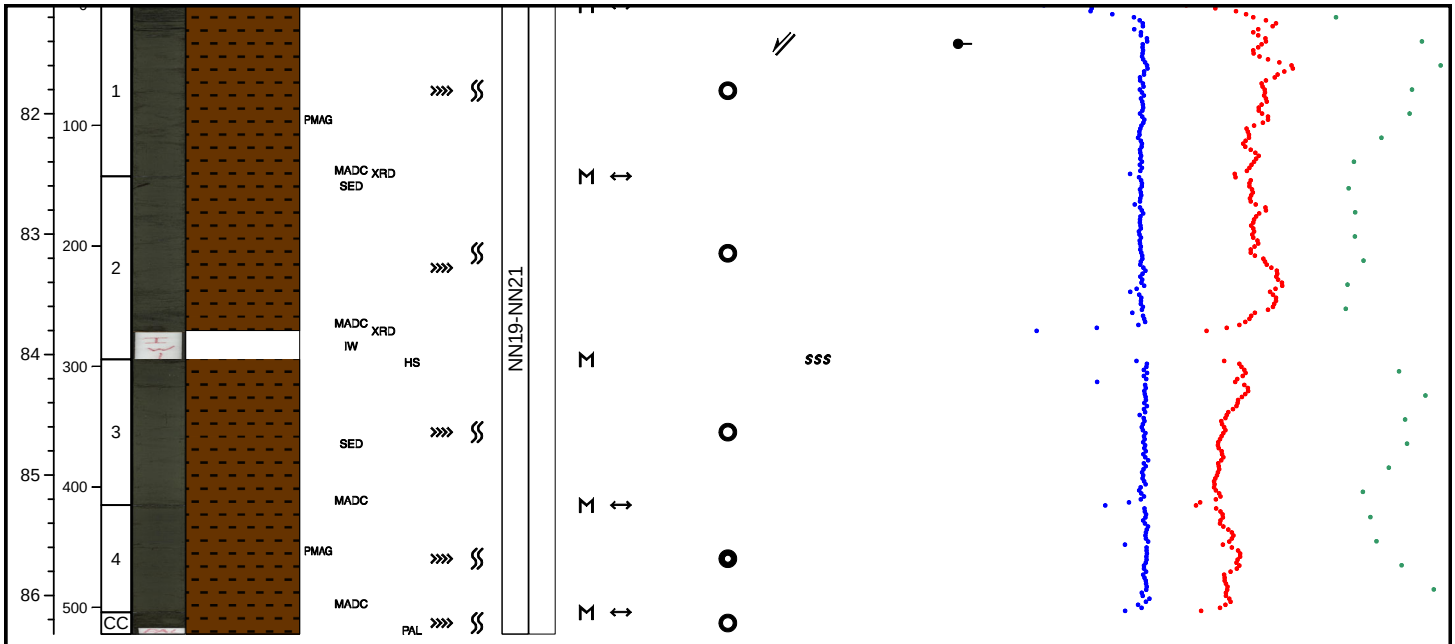
Hole 344-U1412A Core 10H, Interval 72.2-81.1 m (CSF-A)

Dark greenish grayish massive silty clay with more abundant nannos Some signs of hydrate dissolution in section 1 and 2. Small pods of siliceous biogenic matter dispersed allover the core.



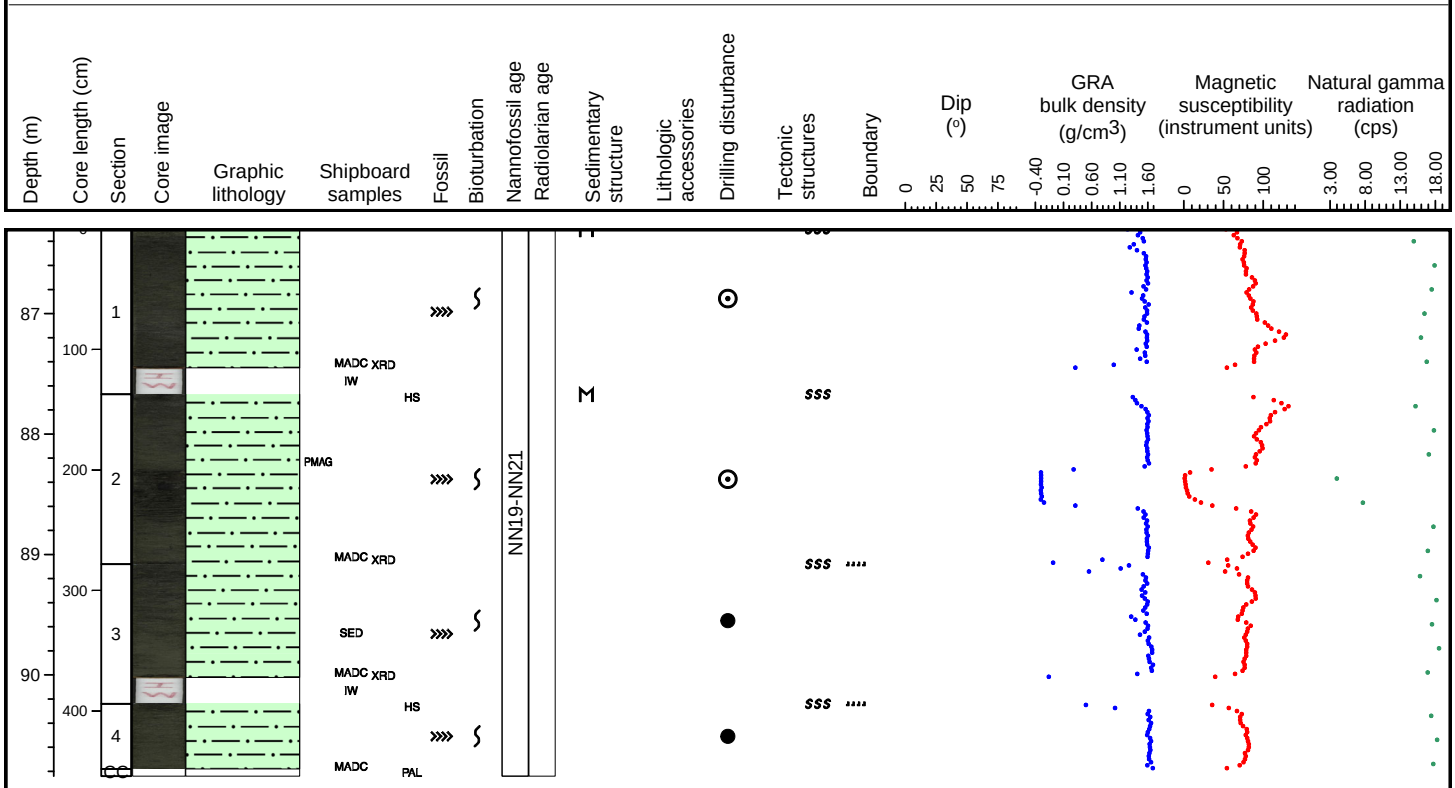
Hole 344-U1412A Core 11H, Interval 81.1-86.32 m (CSF-A)

Dark greenish grayish massive silty clay with nannos becoming more abundant. Dispersed signs of hydrate dissolution. Small pod of sapropel and pyrite in section 2 6 to 10 cm.



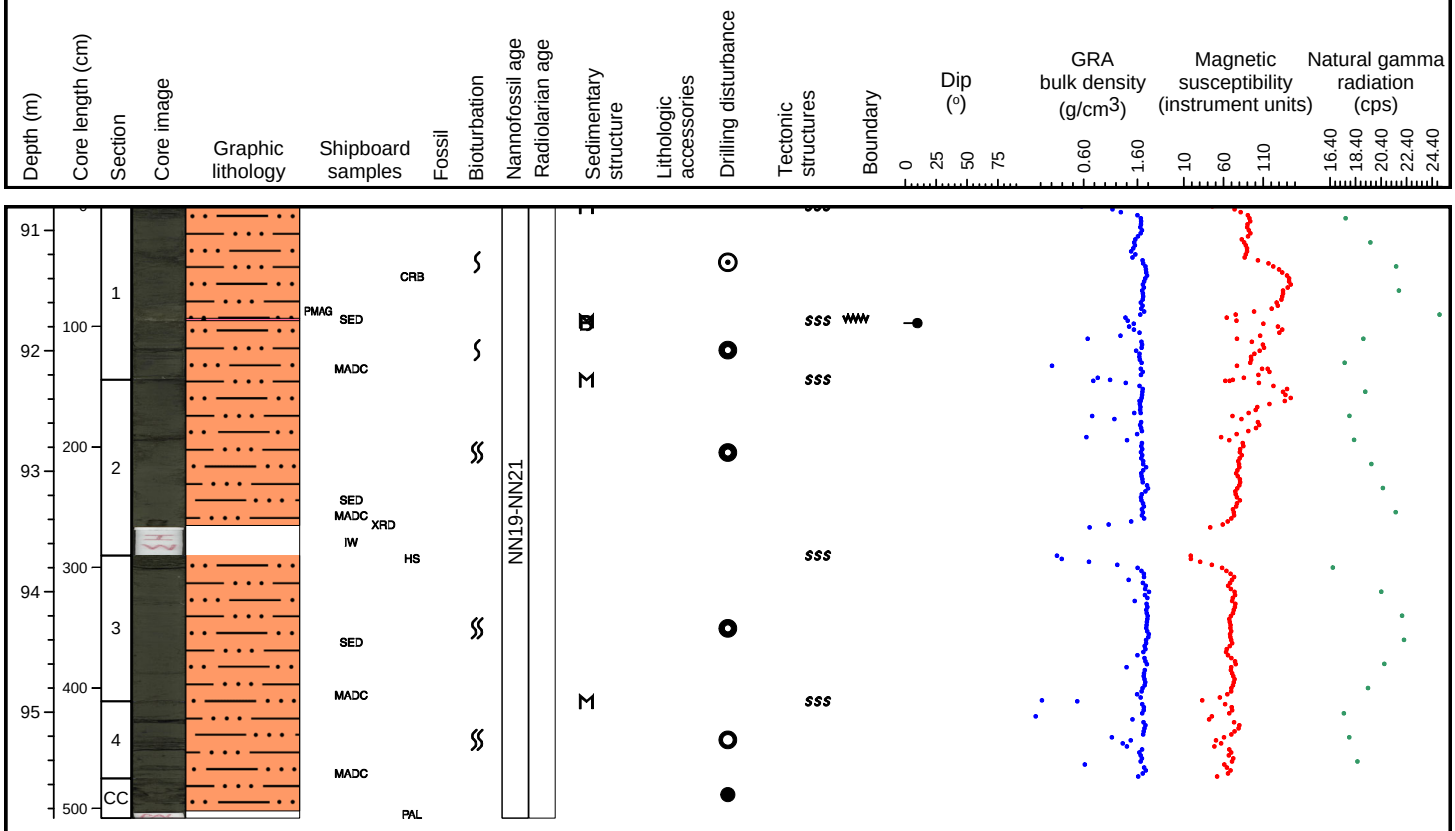
Hole 344-U1412A Core 12H, Interval 86.3-90.84 m (CSF-A)

Dark greenish grayish massive silty clay with nannos becoming more abundant. Dispersed signs of hydrate dissolution as large voids, pronounced in section 2. Small pod of pyrite in section 4 at 48 cm.



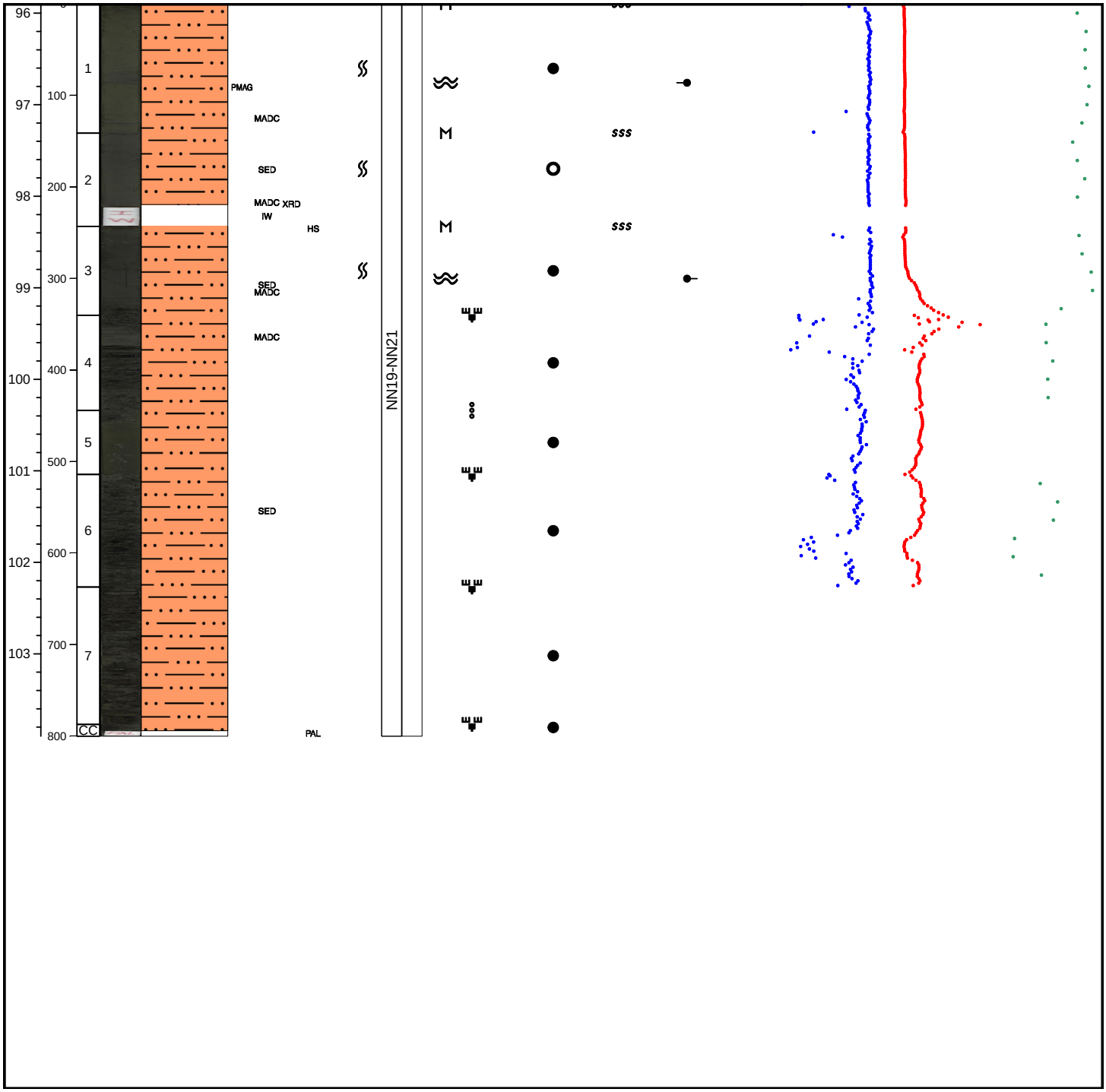
Hole 344-U1412A Core 13H, Interval 90.8-95.88 m (CSF-A)

Dark greenish grayish massive silty clay. Lightcolored fallout ash layer in section 1 at 93-95 cm. Black ash pod in section 3 at 90 cm. Rare clasts of sponge-spicules. Traces of pyrite. Some disruption by gas expansion.



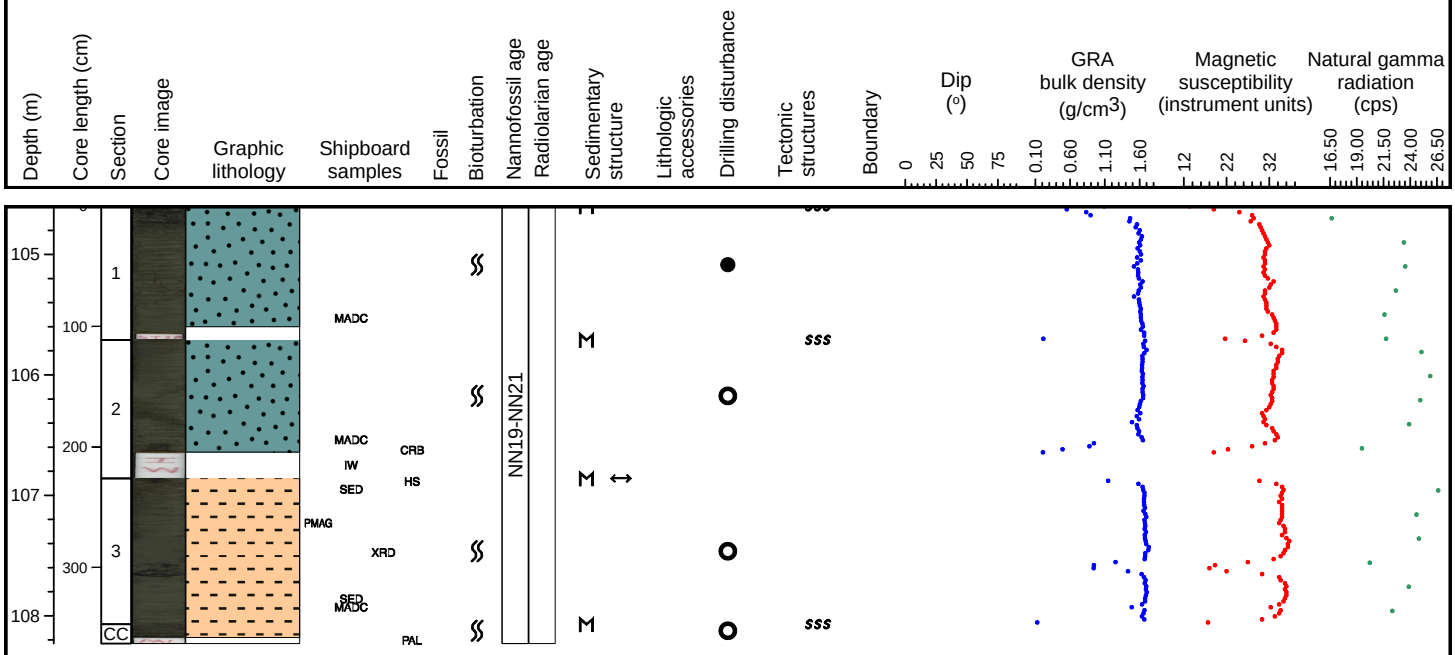
Hole 344-U1412A Core 14H, Interval 95.9-103.9 m (CSF-A)

Dark greenish grayish massive silty clay. Few -mm-sized black ash pods. Bioturbation present. Sections 5-7 and CC highly disturbed or destroyed by gas expansion.



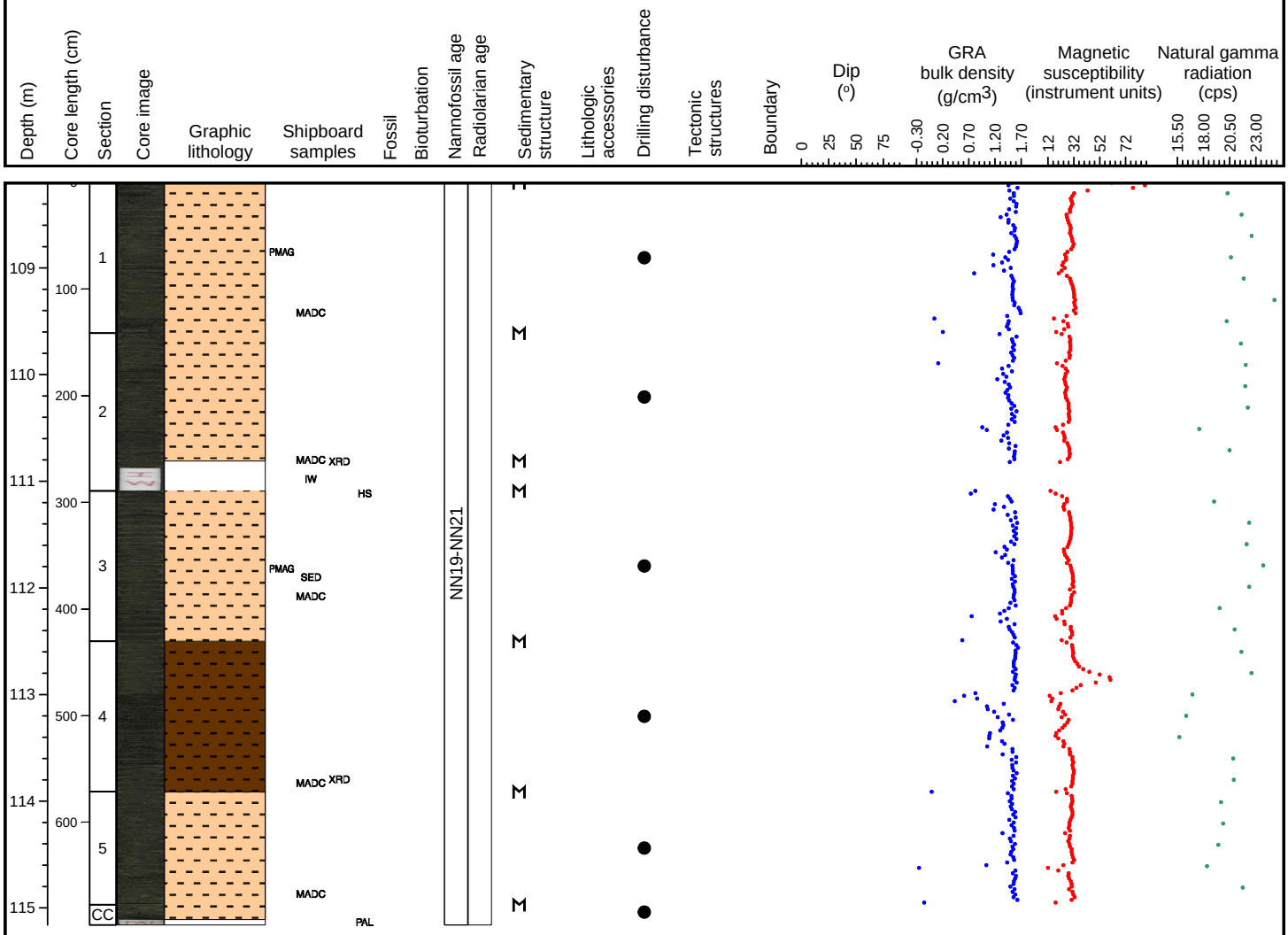
Hole 344-U1412A Core 15H, Interval 104.6-108.23 m (CSF-A)

Dark greenish grayish massive calcareous silty clay and clayey silt. Light-colored mm-sized ash pods in section 3 at 6-8 cm. Very rare clast of sponge-spicules. Bioturbation present. Some drilling disturbance by gas expansion.



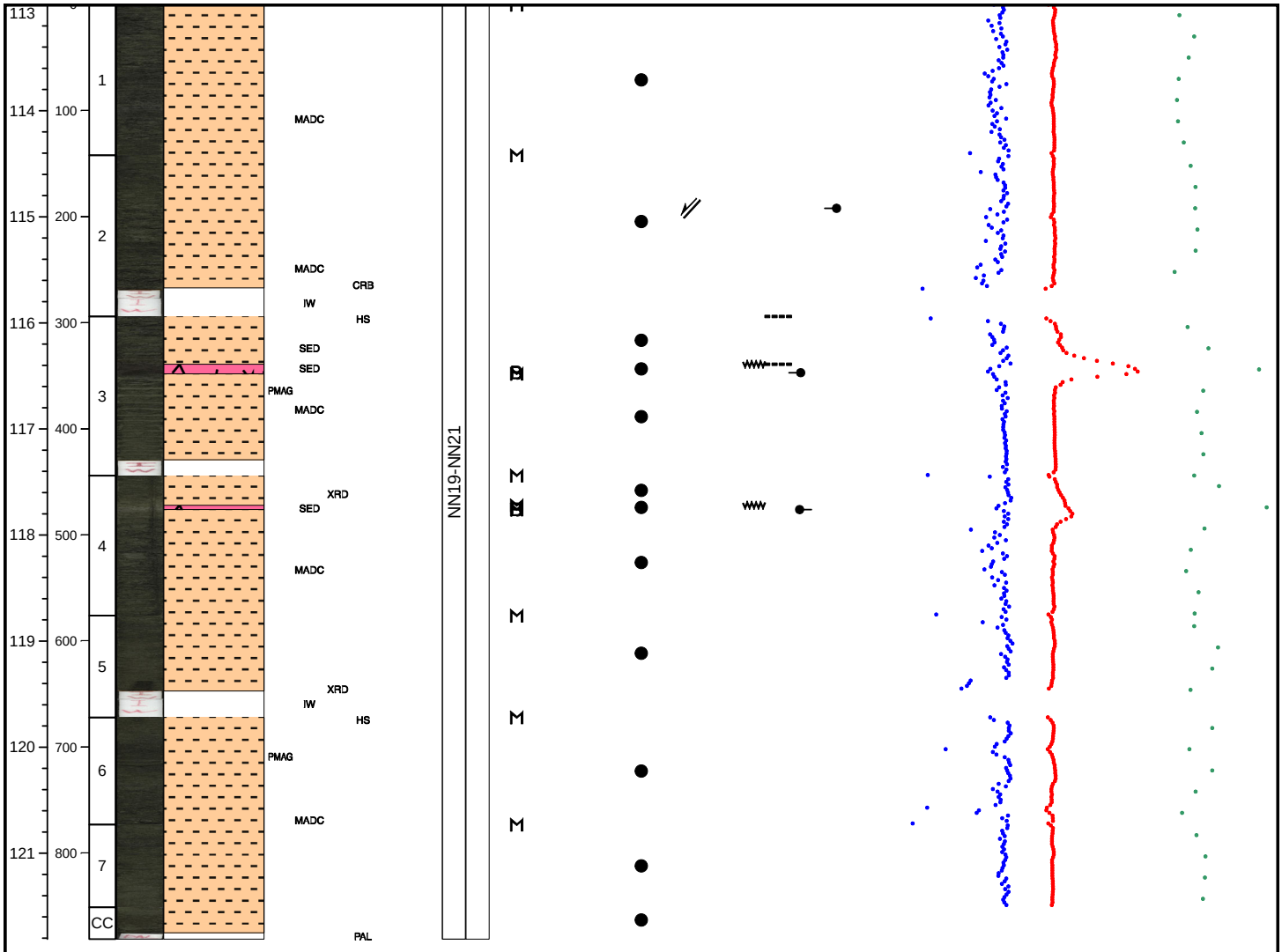
Hole 344-U1412A Core 16X, Interval 108.2-115.16 m (CSF-A)

Dark greenish grayish massive calcareous silty clay and clayey silt. Some drilling disturbance by gas expansion in section 4.



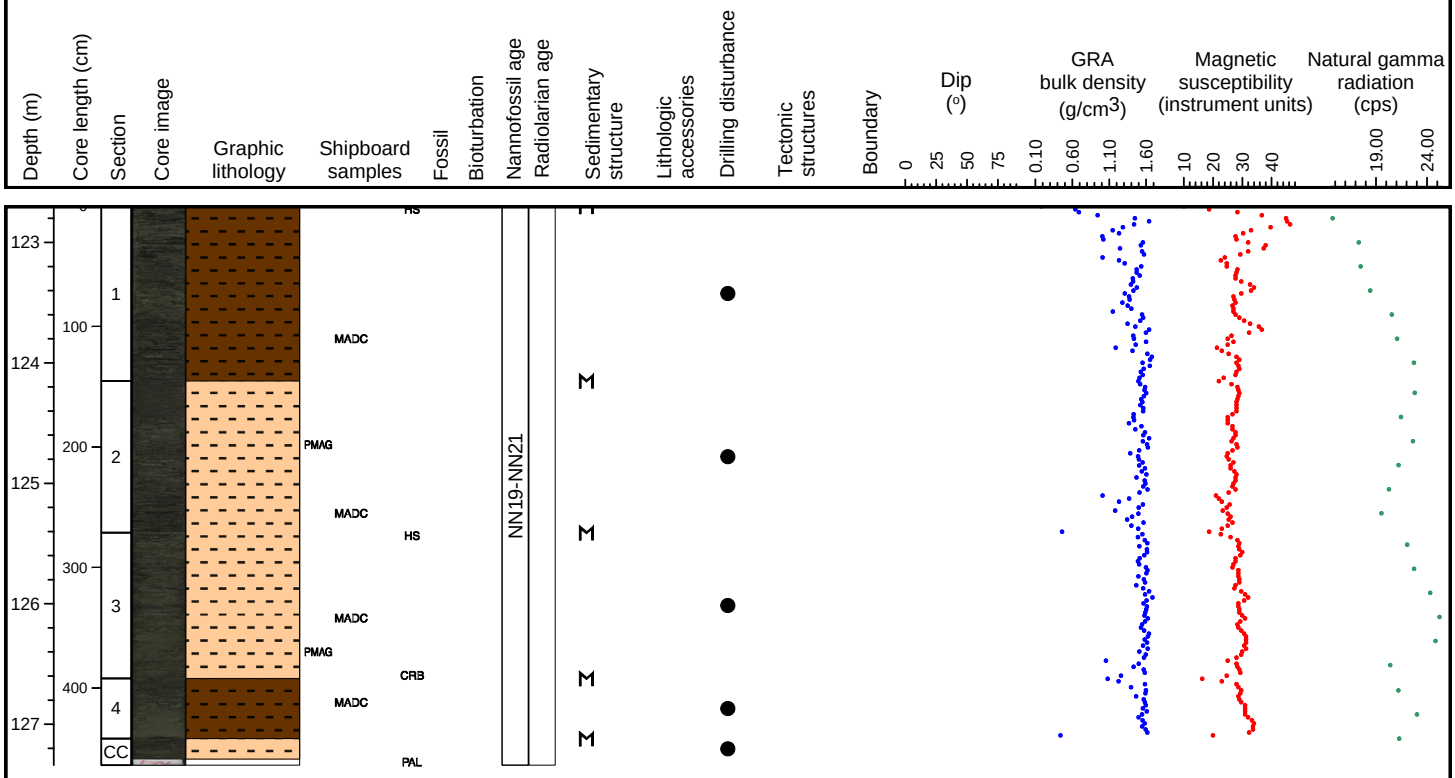
Hole 344-U1412A Core 17X, Interval 113.0-121.81 m (CSF-A)

Dark greenish grayish massive calcareous silty clay and clayey silt. Carbonate content, slit-sand ratios and coloring slightly variable without clear boundaries Dark-colored, normally graded fallout tephra in section 3 at 45-54 cm. Light-colored normally graded fallout tephra in section 4 at 29-32 cm.



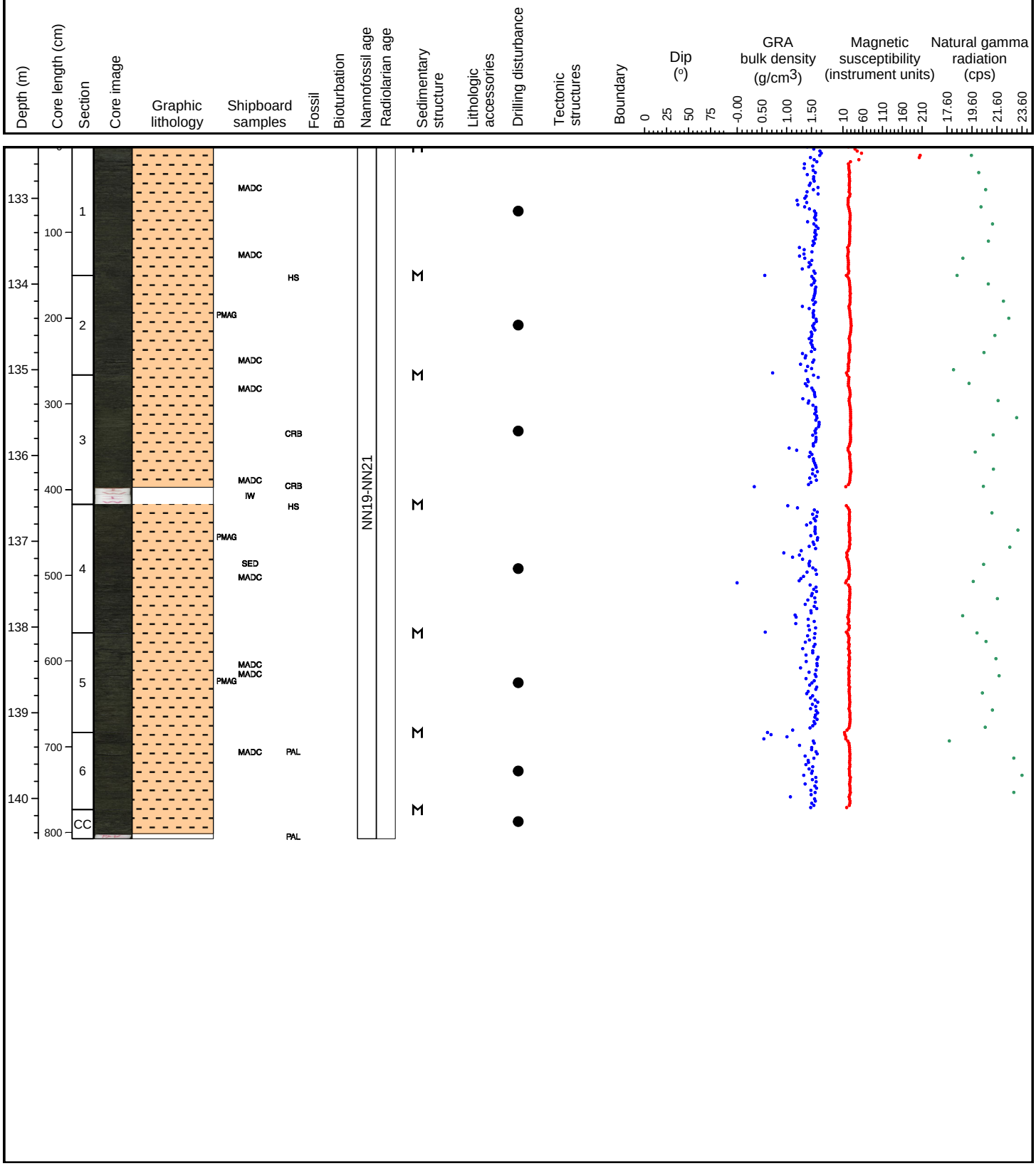
Hole 344-U1412A Core 18X, Interval 122.7-127.34 m (CSF-A)

Dark greenish grayish massive calcareous silty clay. Carbonate content is slightly variable without clear boundaries.



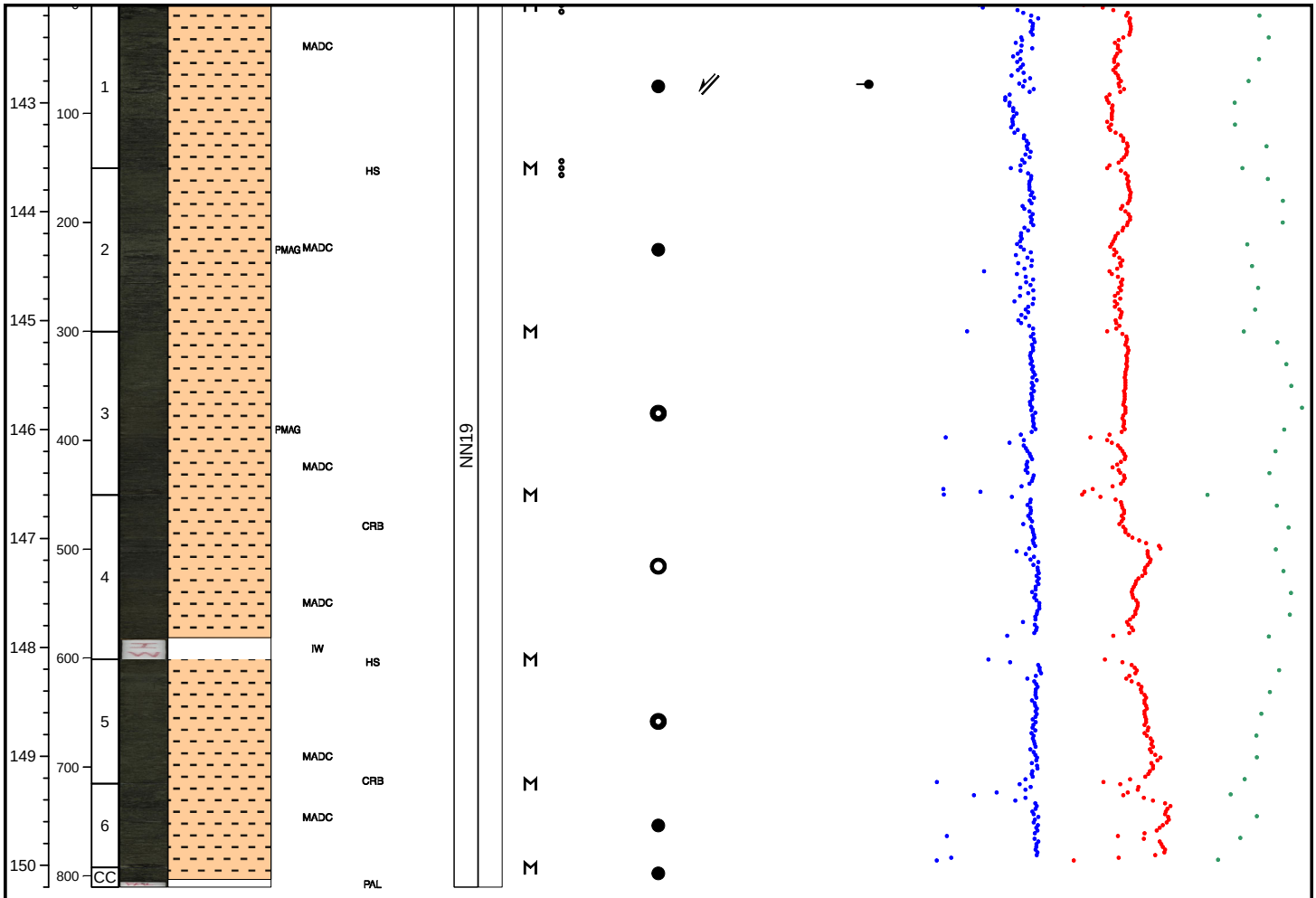
Hole 344-U1412A Core 19X, Interval 132.4-140.47 m (CSF-A)

Homogeneous dark greenish grayish massive calcareous silty clay.
Gas expansion disturbance.



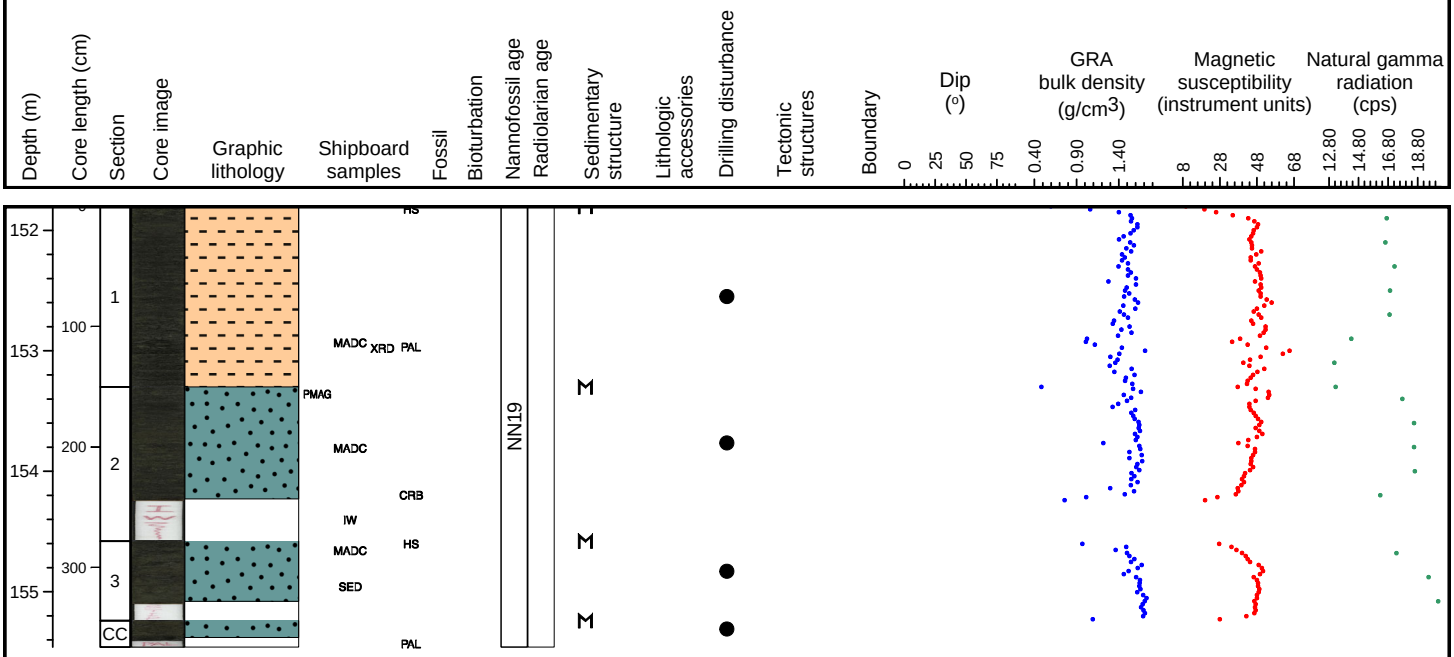
Hole 344-U1412A Core 20X, Interval 142.1-150.2 m (CSF-A)

Homogeneous dark greenish grayish massive calcareous silty clay. Presence of rare sponge spicule clasts.
Gas expansion disturbance.



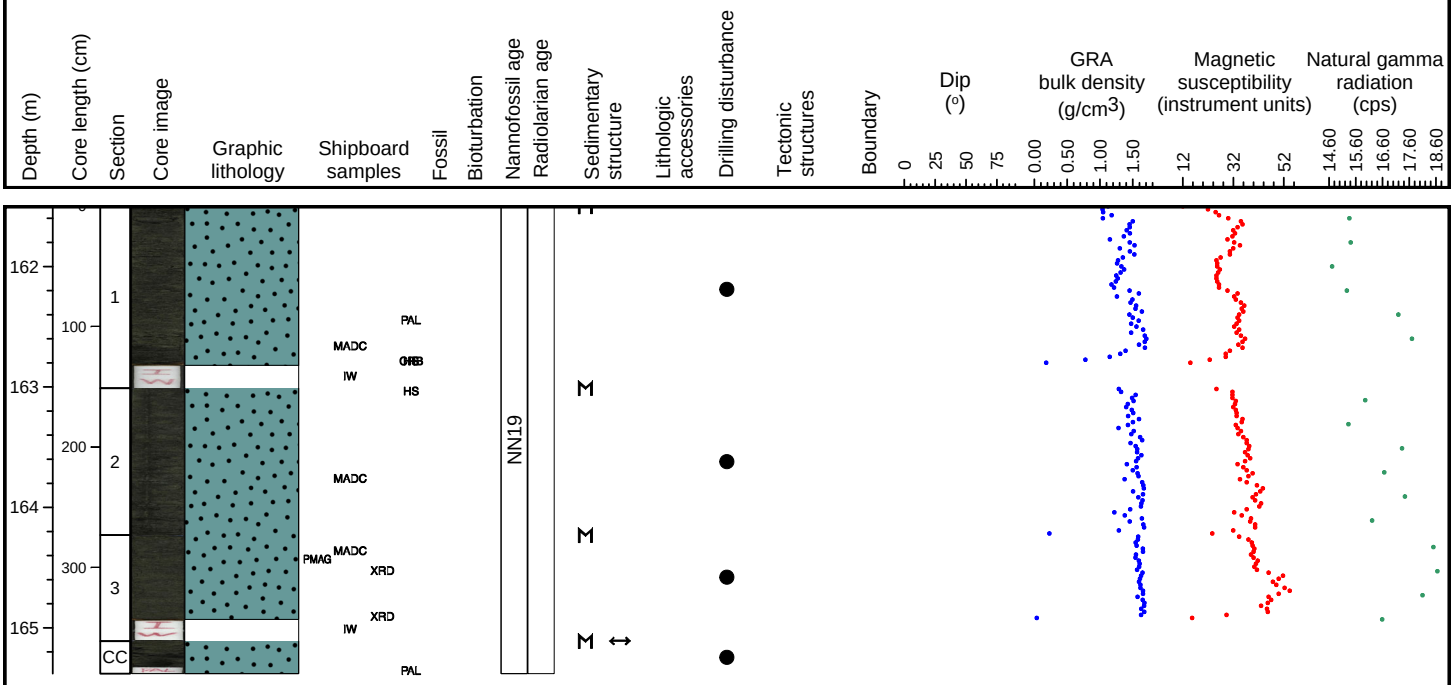
Hole 344-U1412A Core 21X, Interval 151.8-155.46 m (CSF-A)

Homogeneous dark greenish grayish massive calcareous clayed silt and silty clay. Slight variations in silt, clay and carbonate content without boundaries. Presence of rare sponge spicule clasts and some pyrite pods and nuggets. Gas expansion disturbance. Nannos are common, diatom and sponge fragments are rare. Matrix contains lithic fragments, feldspar and glass. Rare quartz, chlorite and sporadic biotite.



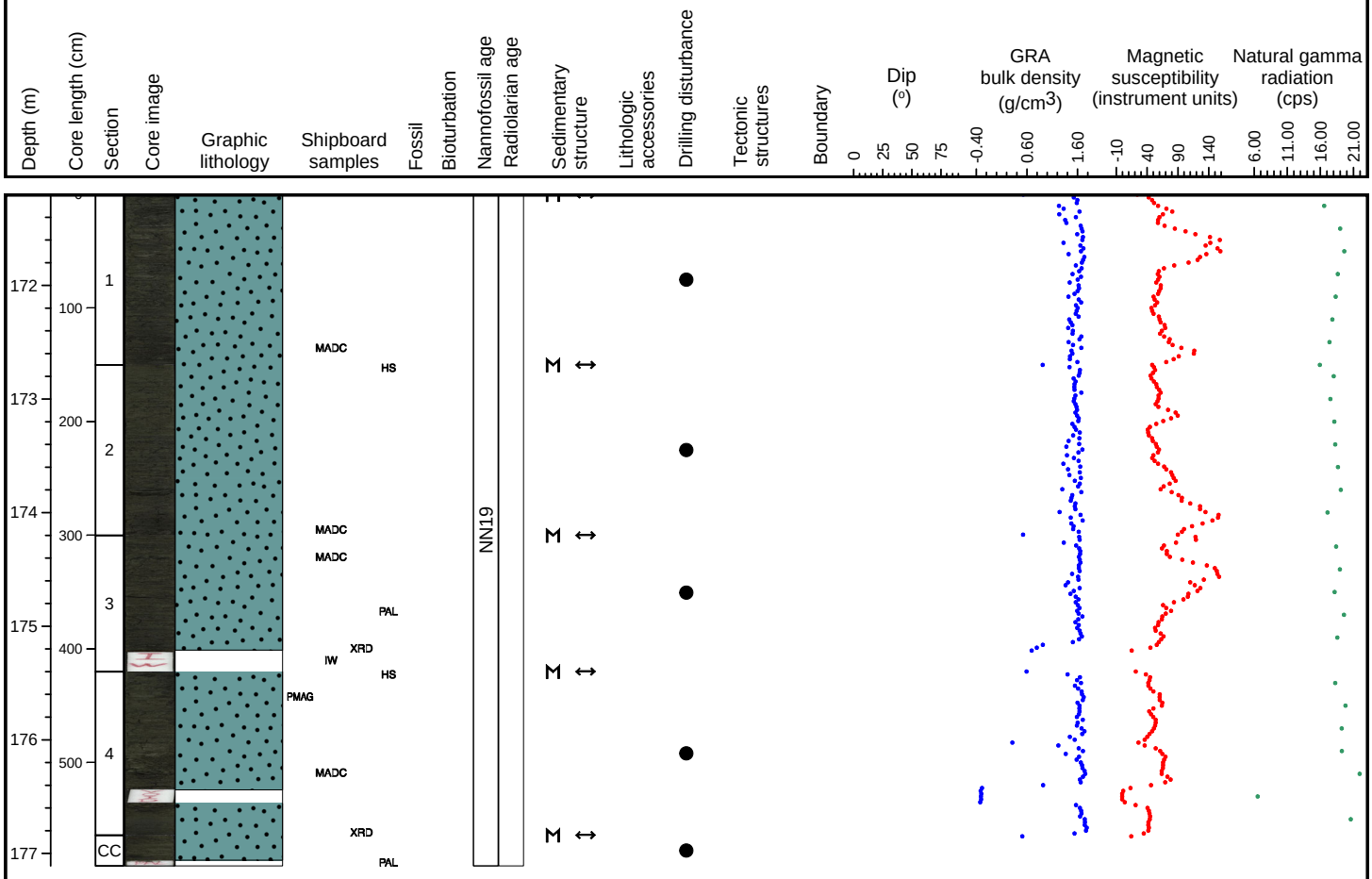
Hole 344-U1412A Core 22X, Interval 161.5-165.38 m (CSF-A)

Homogeneous dark greenish grayish massive calcareous clayed silt and silty clay. Slight variations in silt, clay and carbonate content without boundaries. Presence of rare sponge spicule clasts. Gas expansion disturbance. Nannos are common, diatom and sponge fragments are rare. Matrix contains lithic fragments, feldspar and glass. Rare quartz, chlorite and sporadic biotite.



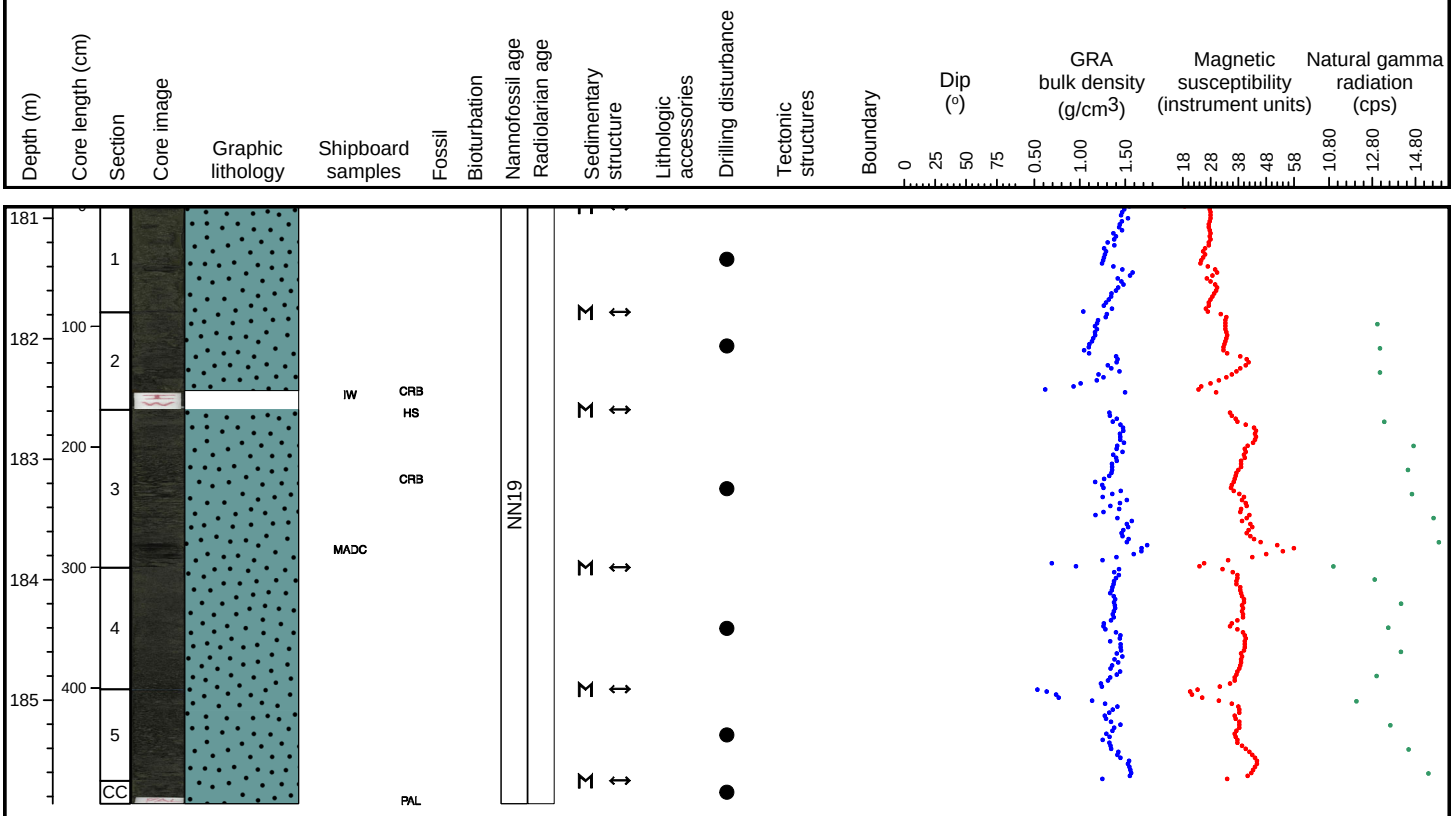
Hole 344-U1412A Core 23X, Interval 171.2-177.11 m (CSF-A)

Homogeneous dark greenish grayish massive calcareous clayed silt and silty clay. Slight variations in silt, clay and carbonate content without boundaries. Presence of rare sponge spicule clasts. Gas expansion disturbance. Nannos are common, diatom and sponge fragments are rare. Matrix contains lithic fragments, feldspar and glass. Rare quartz, chlorite and sporadic biotite.



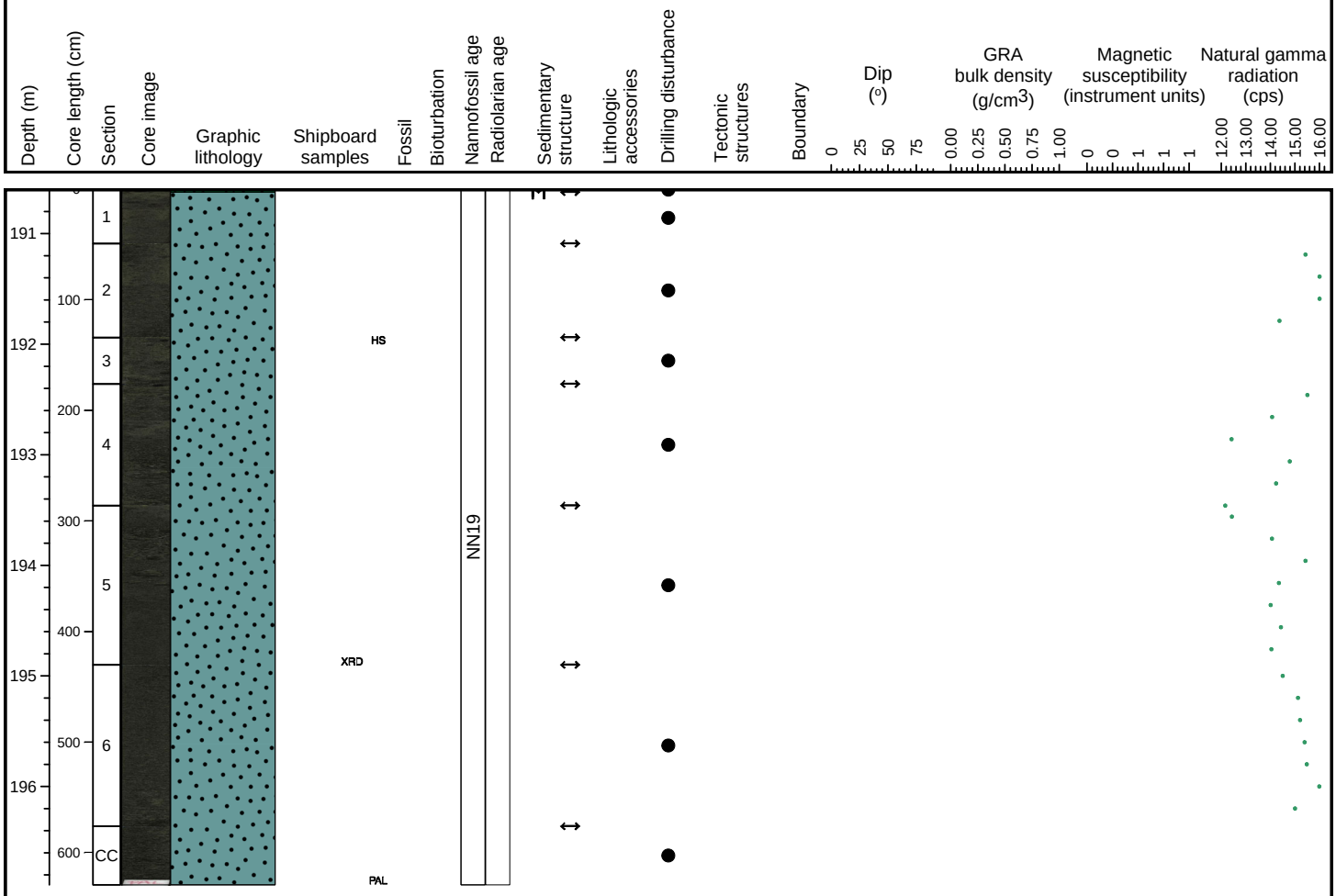
Hole 344-U1412A Core 24X, Interval 180.9-185.86 m (CSF-A)

Homogeneous dark greenish grayish massive calcareous clayed silt and silty clay. Completely destroyed by drilling disturbance. Presence of rare sponge spicule clasts. Nannos are common, diatom and sponge fragments are rare. Matrix contains lithic fragments, feldspar and glass. Rare quartz, chlorite and sporadic biotite.



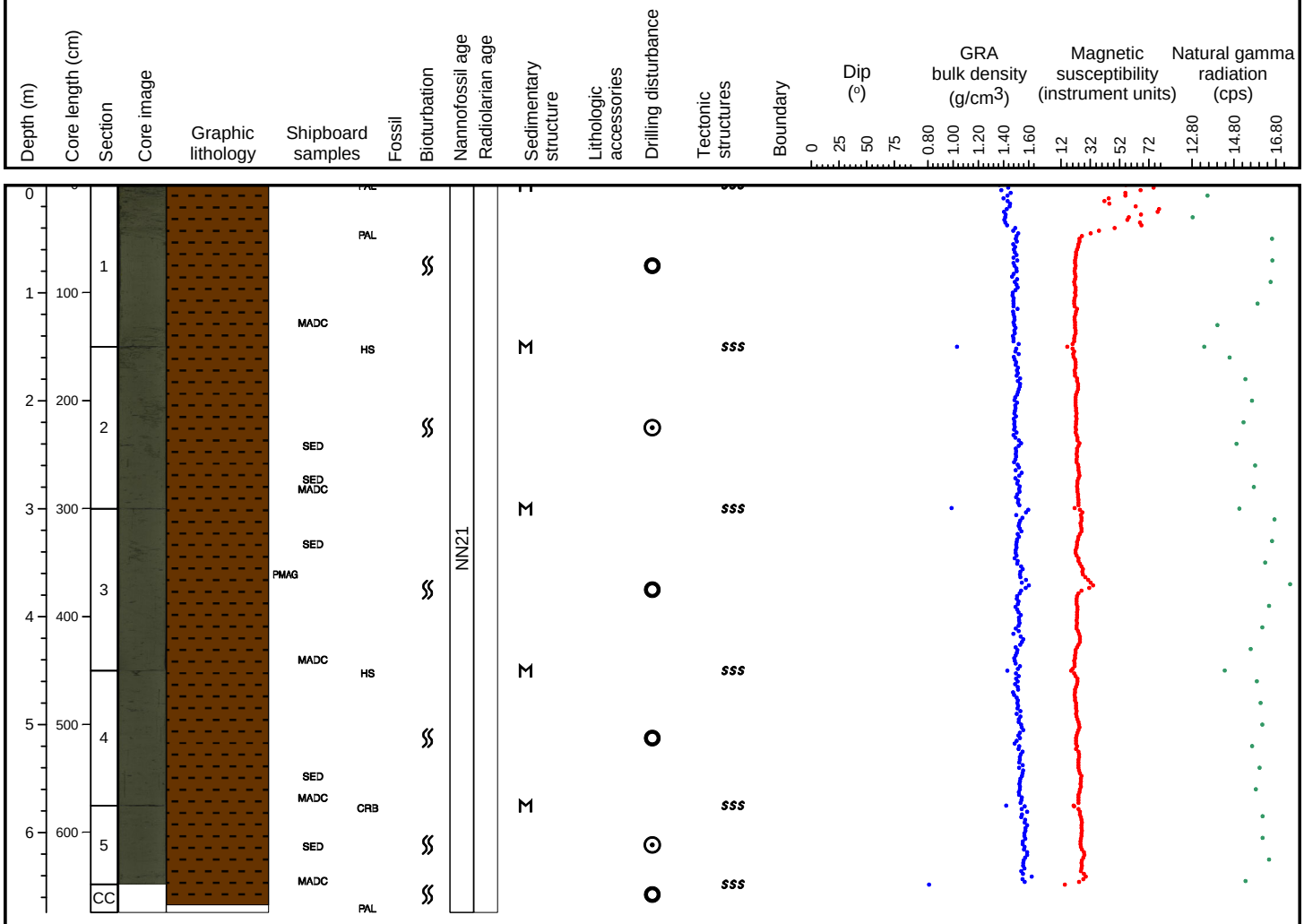
Hole 344-U1412A Core 25X, Interval 190.6-196.89 m (CSF-A)

Homogeneous dark greenish grayish massive calcareous clayed silt and silty clay. In section 1 between 0.5 and 2.5 cm a brownish grey layer of presumably sapropel is surprisingly well recovered. The rest of the core is completely destroyed by drilling disturbance. Presence of rare sponge spicule clasts. Nannos are common, diatom and sponge fragments are rare. Matrix contains lithic fragments, feldspar and glass. Rare quartz, chlorite and sporadic biotite.



Hole 344-U1412B Core 1H, Interval 0.0-6.74 m (CSF-A)

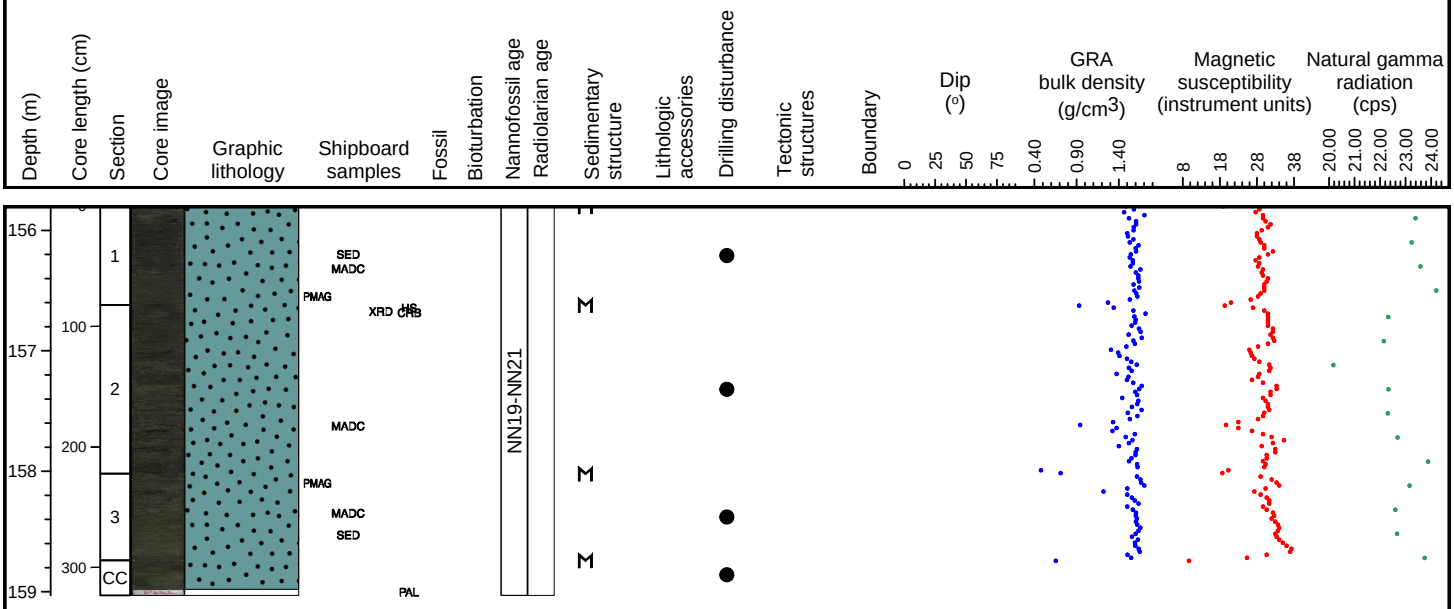
Massive dark greenish gray clay with few pods of mostly dark-colored volcanic ash, carbonate shells, glauconite often together with mm-sized sandy clasts; traces of pyrite.



U1412B-21 Drilled interval

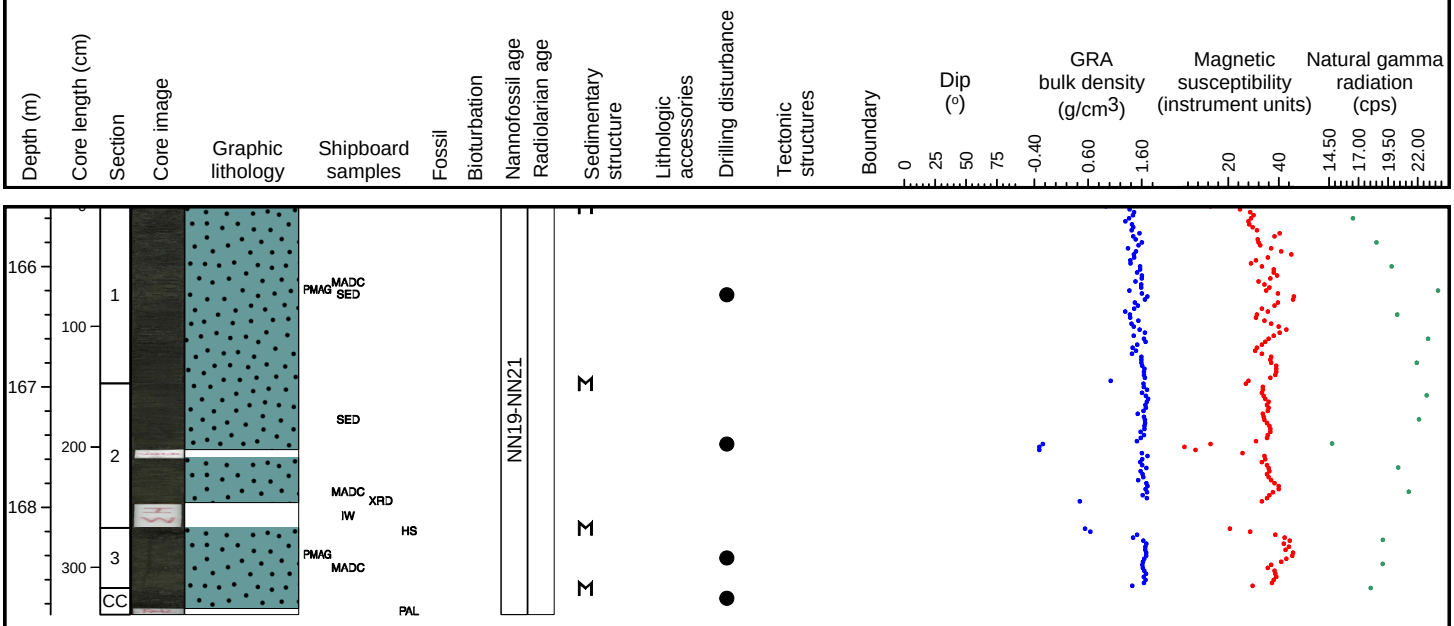
Hole 344-U1412B Core 3X, Interval 155.8-159.03 m (CSF-A)

Massive very dark greenish gray calcareous clayey fine silt. Some variations change in coloring.



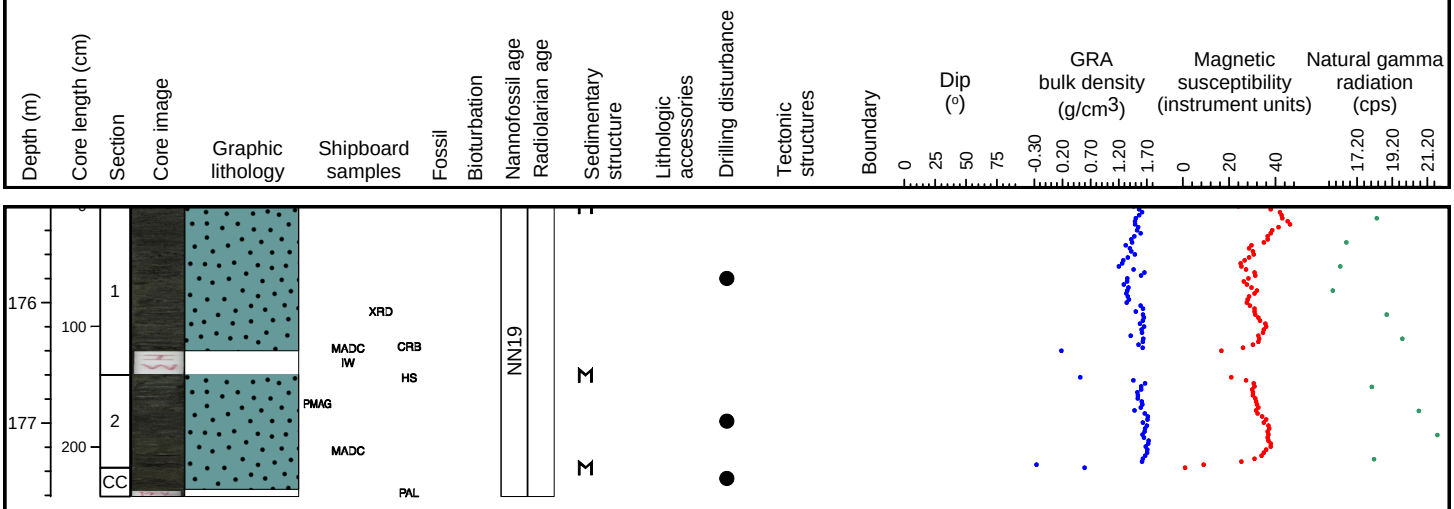
Hole 344-U1412B Core 4X, Interval 165.5-168.89 m (CSF-A)

Massive very dark greenish gray calcareous clayey fine silt. Diffuse pods of light-colored ash in section 1 at 71-72 cm. Void in section 2 at 56-63 cm.



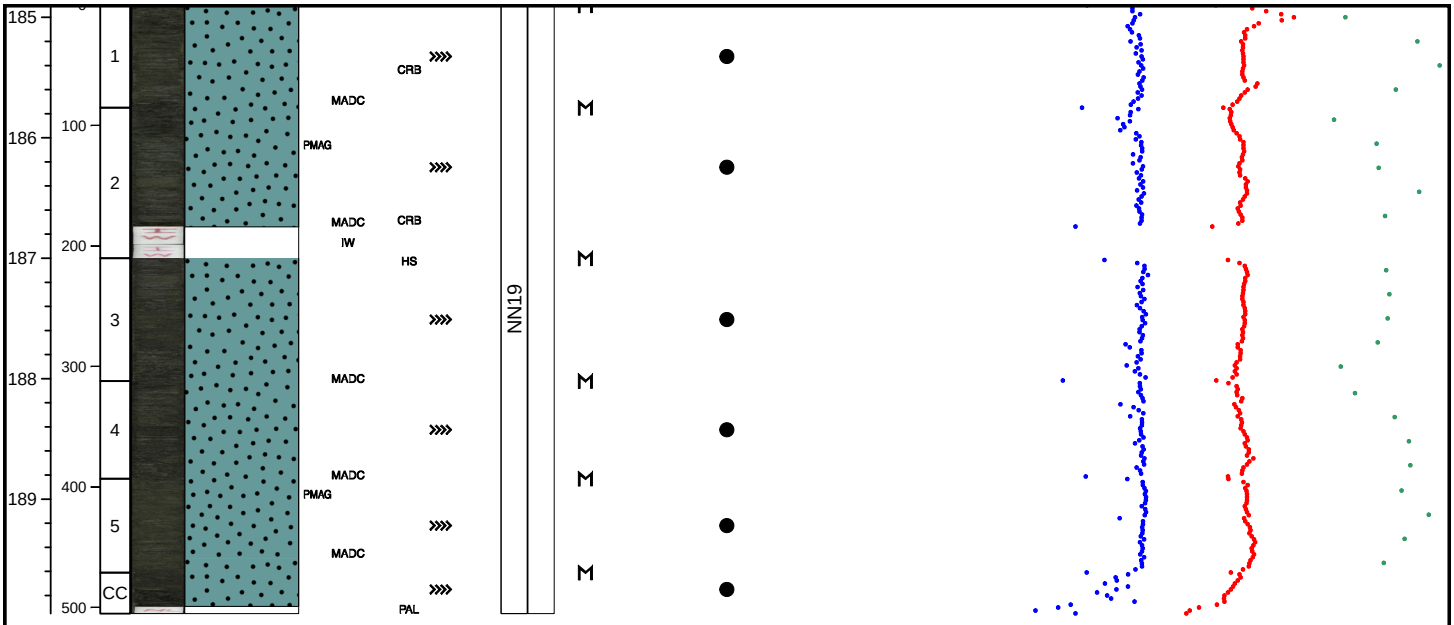
Hole 344-U1412B Core 5X, Interval 175.2-177.61 m (CSF-A)

Massive very dark greenish gray calcareous clayey fine silt. Diffuse pod of dark-colored ash in section 1 at 97 cm. Very rare sponge-spicule. Drilling disturbance in part high with nearly soupy appearance in section 1.



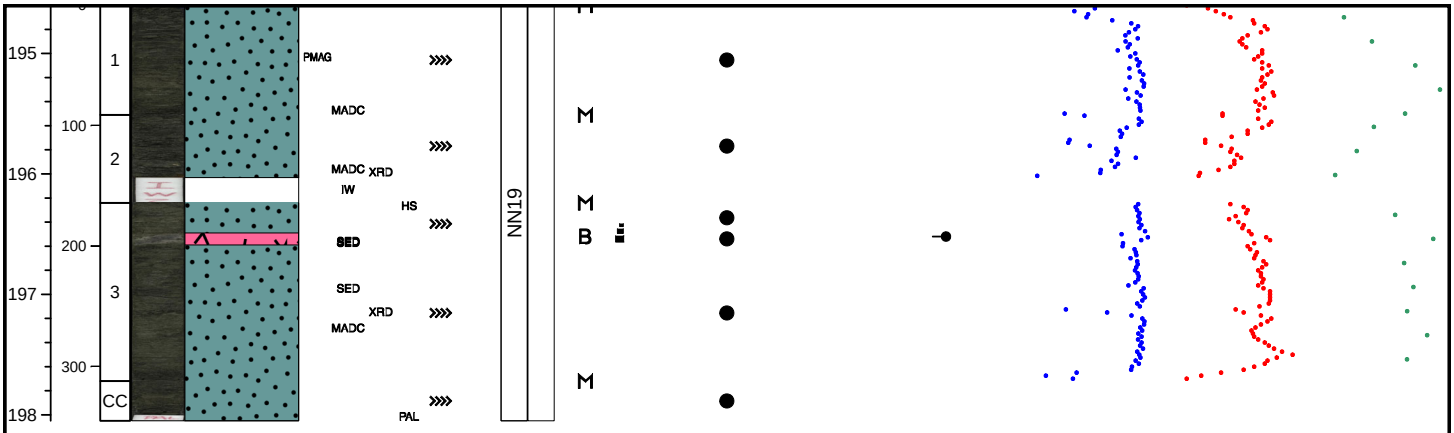
Hole 344-U1412B Core 6X, Interval 184.9-189.95 m (CSF-A)

Massive very dark greenish gray calcareous clayey fine silt. Some less silt than in previous core 5. Very rare sponge-spicules. Drilling disturbance in part high with nearly soupy appearance at top of section 1 and 2.



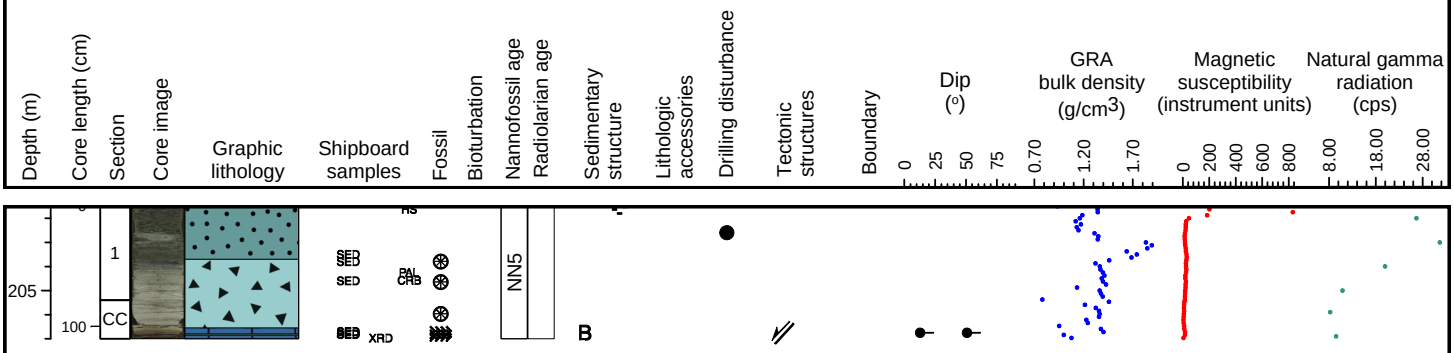
Hole 344-U1412B Core 7X, Interval 194.6-198.05 m (CSF-A)

Massive very dark greenish gray calcareous clayey fine silt. Diatoms are common next to nannos. Matrix comprises amph, qz, rock fragments, fsp. One 10 cm thick whitish to grayish, normal graded, tephra layer having amphibole enrichment at the base.



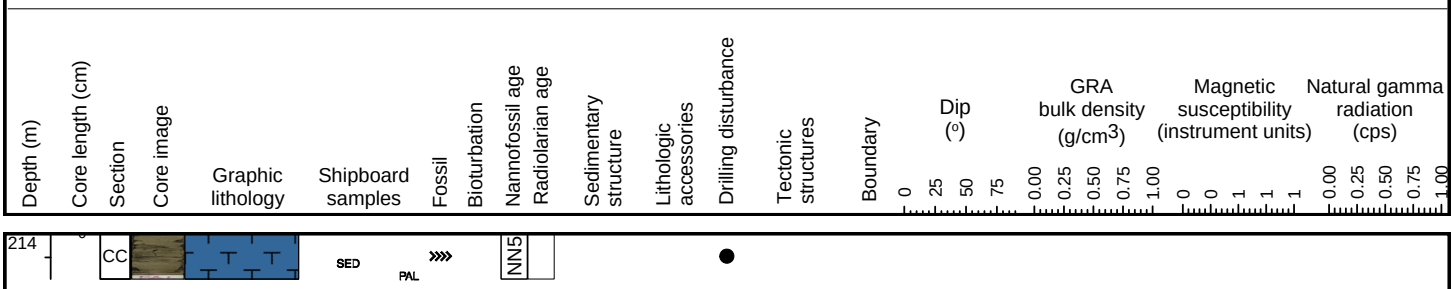
Hole 344-U1412B Core 8X, Interval 204.3-205.4 m (CSF-A)

Thickly bedded, greensih gray slurry siltstone becomes diatom ooze with abundant nannos, and some radiolarians and forams. Also contains feldspar, amphybole, glass and chlorite. The last ~ 10 cm changes into a light to dark brown nannofossil ooze with abundant diatoms. Boundaries are smeared out.



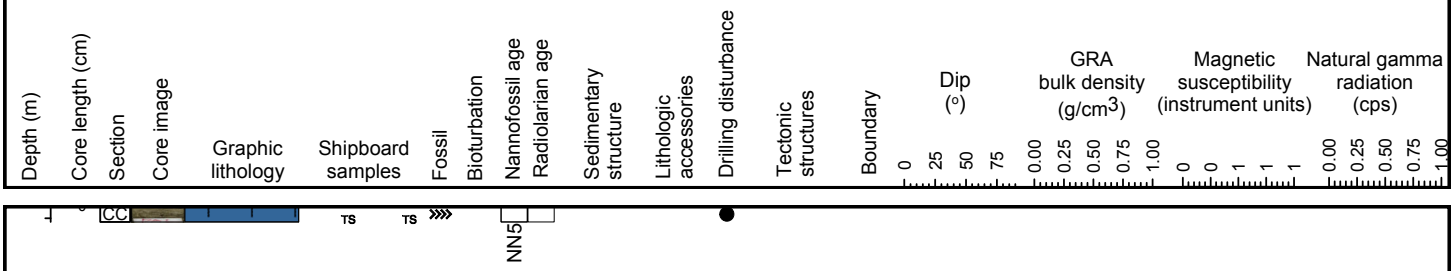
Hole 344-U1412B Core 9X, Interval 214.0-214.38 m (CSF-A)

Thickly bedded, nannofossil ooze with abundant diatoms, and some radiolarians and forams. Boundaries are smeared out.



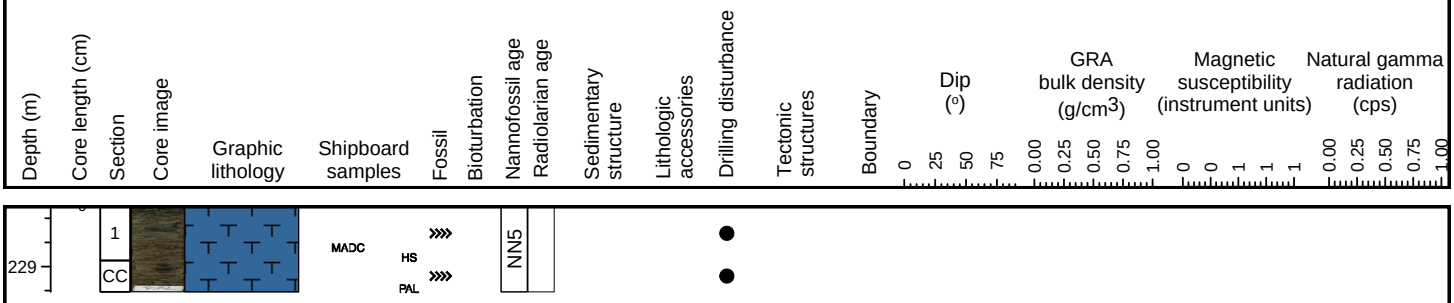
Hole 344-U1412B Core 10X, Interval 223.7-223.83 m (CSF-A)

Thickly bedded, nannofossil ooze with abundant diatoms, and some radiolarians and forams. Boundaries are smeared out.



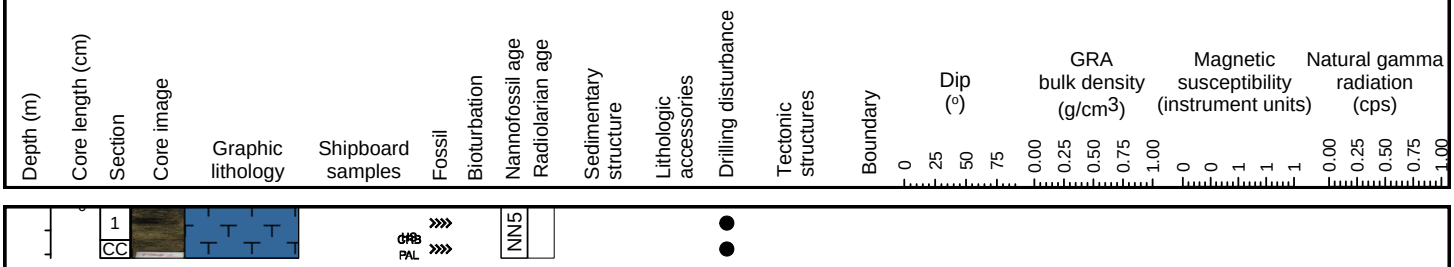
Hole 344-U1412B Core 11X, Interval 228.5-229.21 m (CSF-A)

Thickly bedded, nannofossil ooze with abundant diatoms, and some radiolarians and forams. Boundaries are smeared out.



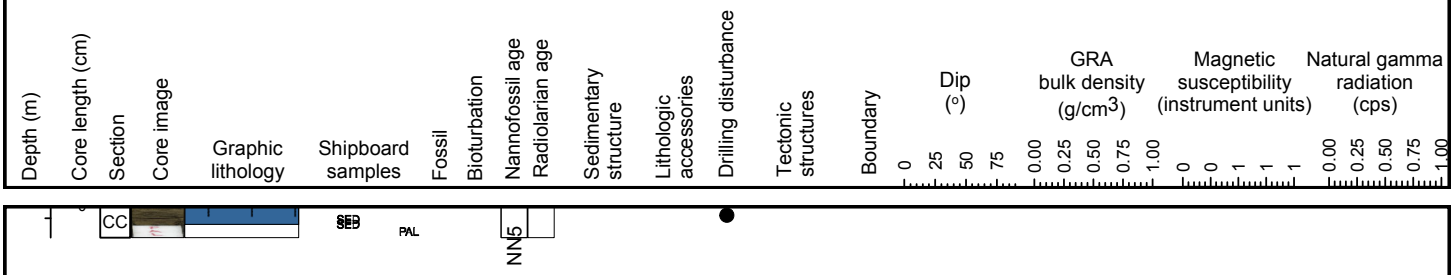
Hole 344-U1412B Core 12X, Interval 233.4-233.83 m (CSF-A)

Thickly bedded, nannofossil ooze with abundant diatoms, and some radiolarians and forams. Boundaries are smeared out.



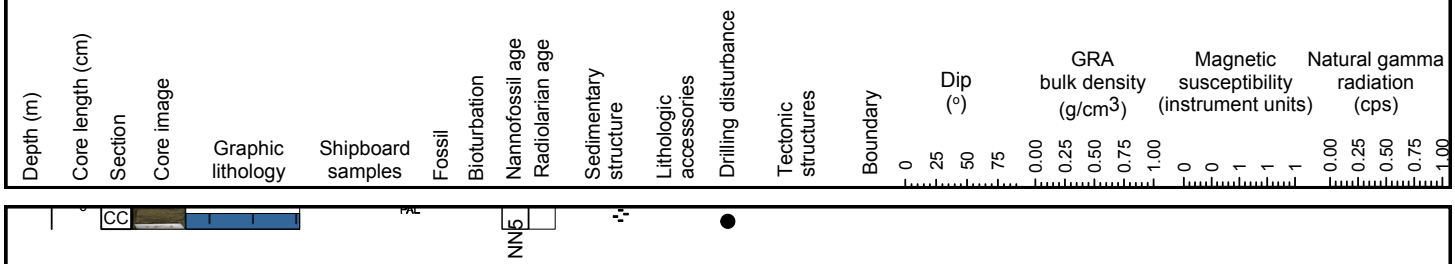
Hole 344-U1412B Core 13X, Interval 243.1-243.36 m (CSF-A)

Dark grayish brown calcareous nannofossil ooze.



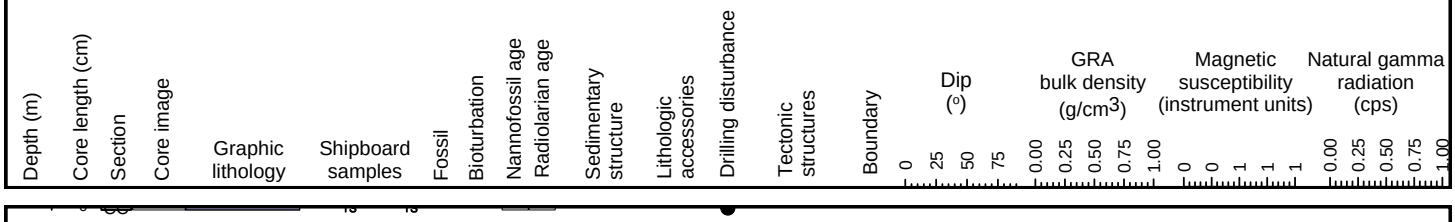
Hole 344-U1412B Core 14X, Interval 252.8-252.99 m (CSF-A)

Only core-catcher samples: dark grayish brown calcareous nannofossil ooze. Smelling badly.



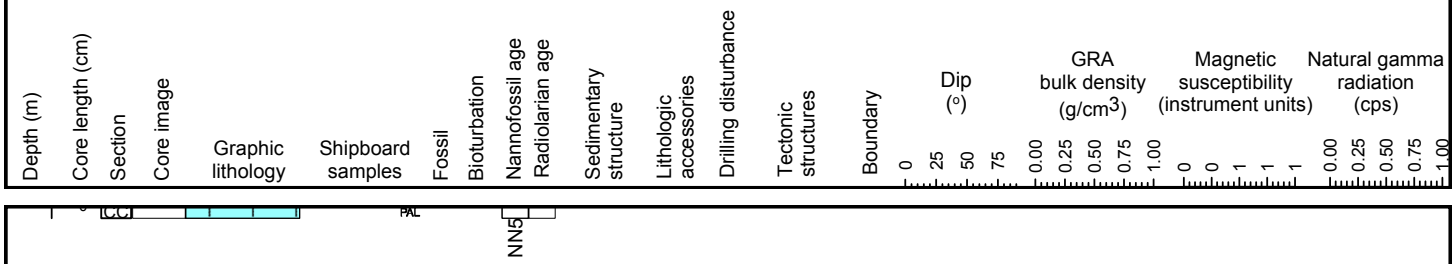
Hole 344-U1412B Core 15X, Interval 262.5-262.53 m (CSF-A)

Only core-catcher samples: some grayish-green cm-sized limestone pebbles, subangular to rounded, thin non-calcareous coating



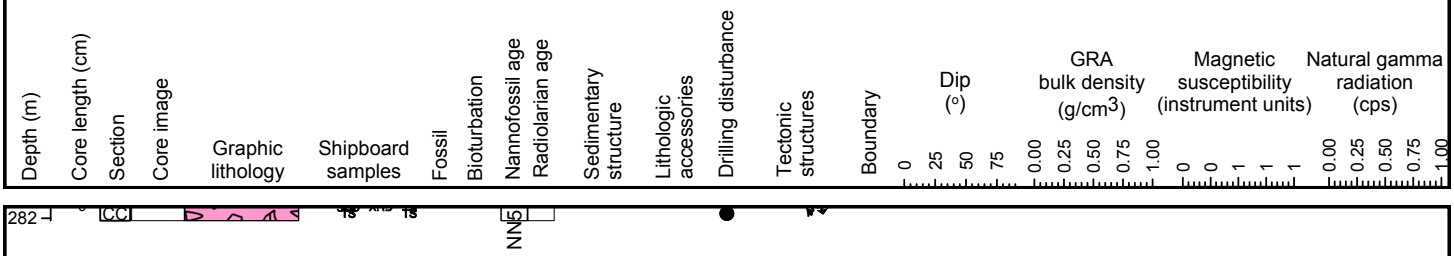
Hole 344-U1412B Core 16X, Interval 272.2-272.3 m (CSF-A)

Only core-catcher samples: dark grayish brown calcareous nannofossil ooze. About 8 cm in length, all to PAL sample.



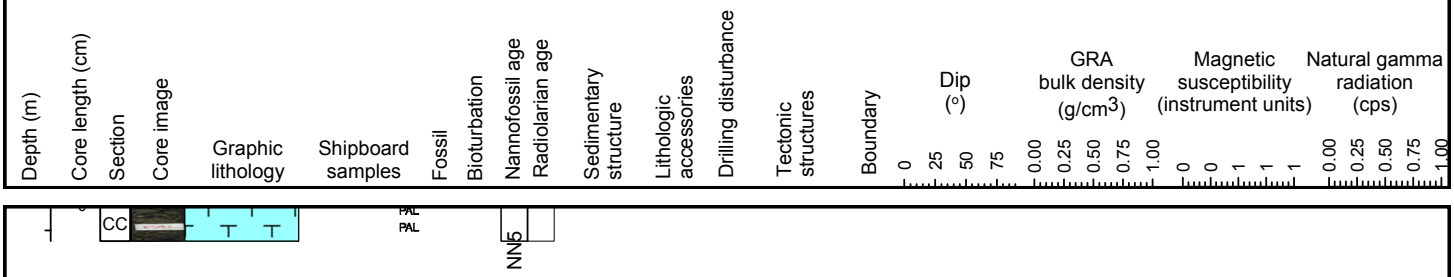
Hole 344-U1412B Core 17X, Interval 281.9-282.02 m (CSF-A)

Only core-catcher samples: some greenish-gray claystone clasts with traces of carbonate in matrix; partly brecciated and yellow-brown soft mudstone, slightly calcareous. Bad smell.



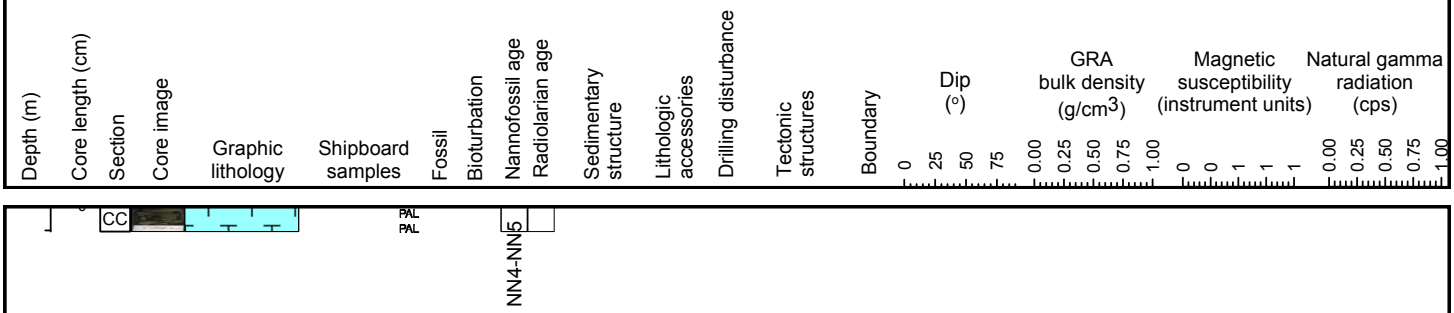
Hole 344-U1412B Core 18X, Interval 291.6-291.89 m (CSF-A)

Mixture of clasts that have presumably been fallen into the hole (greenish grey well-rounded siltstone clasts) and probably drilled lithified nannofossil-rich ooze silt-sized clasts with its brownish color. The lowermost part is heavily overprinted by drilling (black color --> heat.)

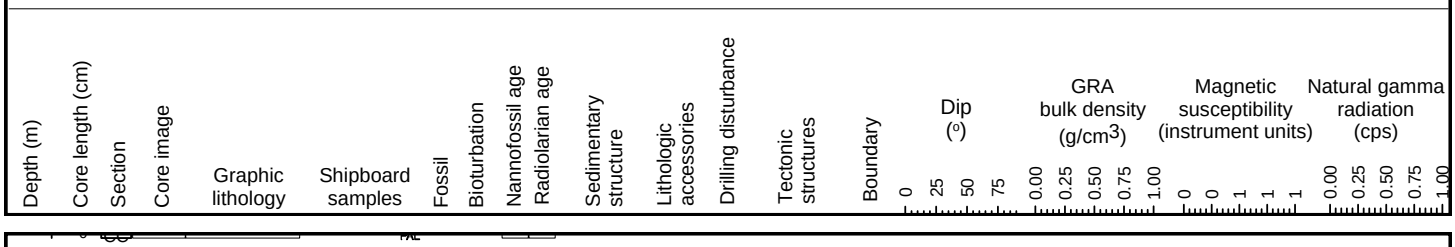


Hole 344-U1412B Core 19X, Interval 295.6-295.81 m (CSF-A)

Assemblage of brownish, well-rounded, clasts with incorporated black tephra. Not sure if these are in-situ drilled but the clasts have the same lithology than before.



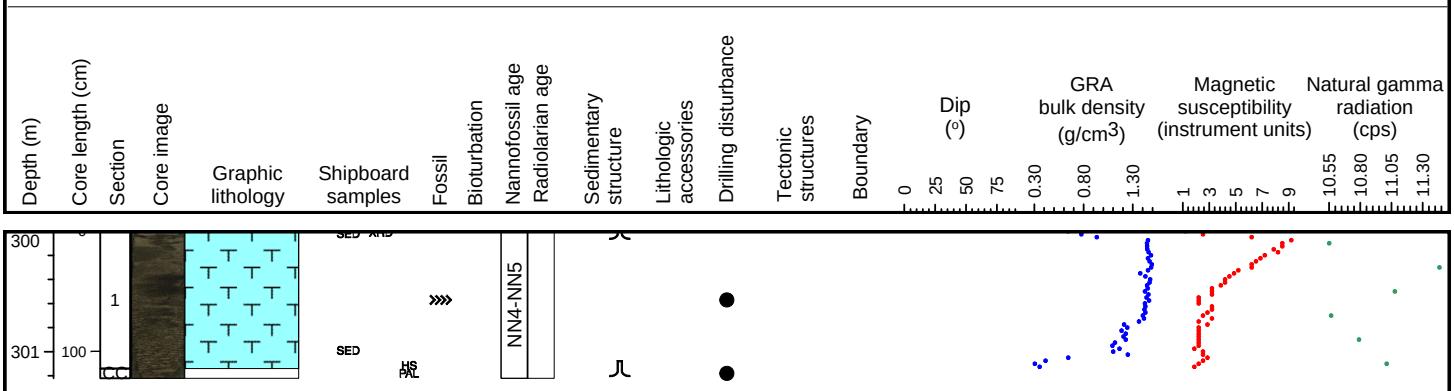
Hole 344-U1412B Core 20X, Interval 301.3-301.34 m (CSF-A)



U1412C-11 Drilled interval

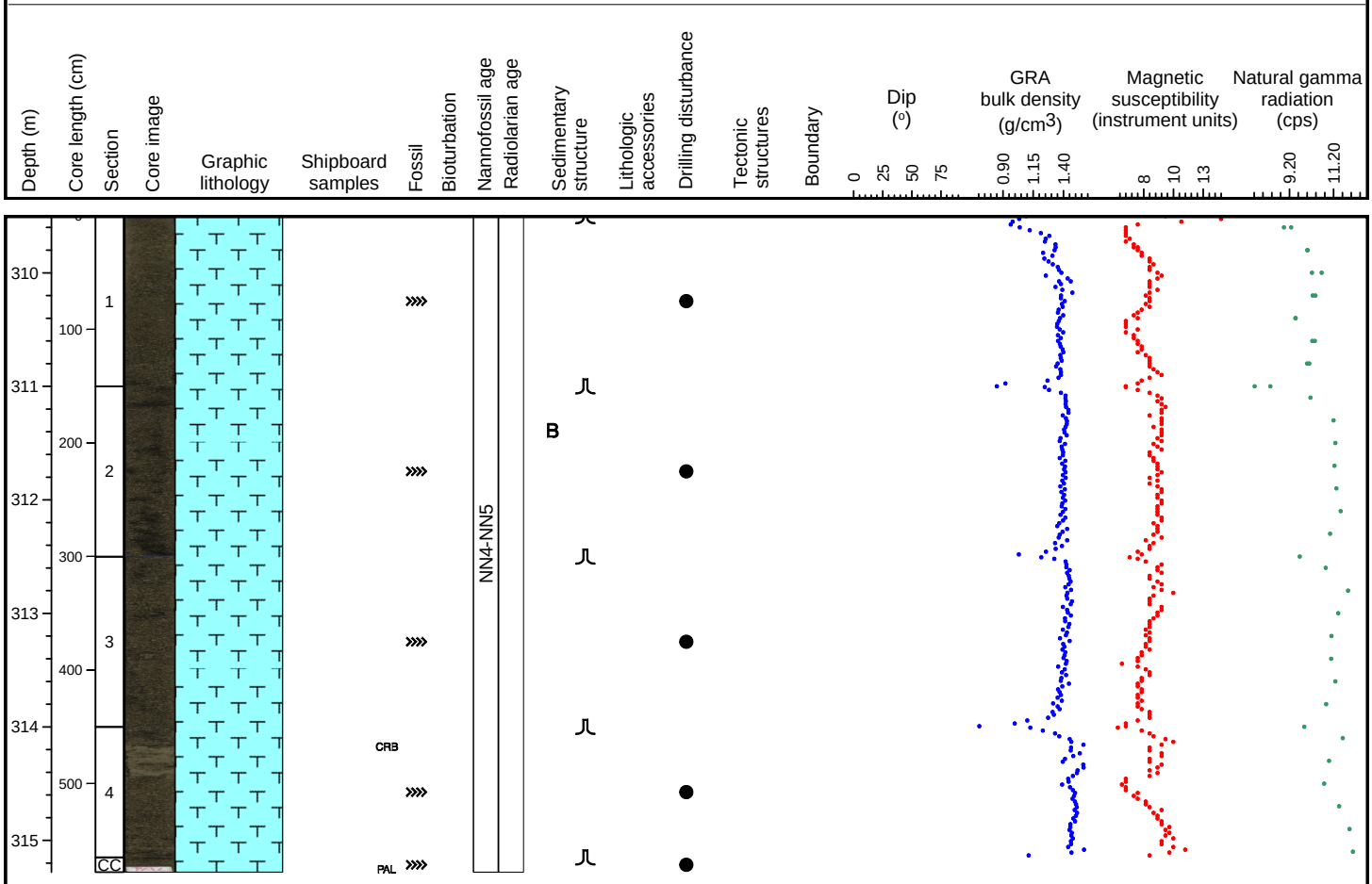
Hole 344-U1412C Core 2R, Interval 300.0-301.22 m (CSF-A)

Contains dominant nannofossils, sponge spicules common to rare diatoms and radiolarians. Rare minerals amphiboles and feldspar. Some glass.
Some clasts of silty greenish gray clay probable fallen in from above that has terrigenous composition like that of the upper part of holes 1412 A and B.
Normal gradation from bottom to top of core probably due to post-drilling segregation.



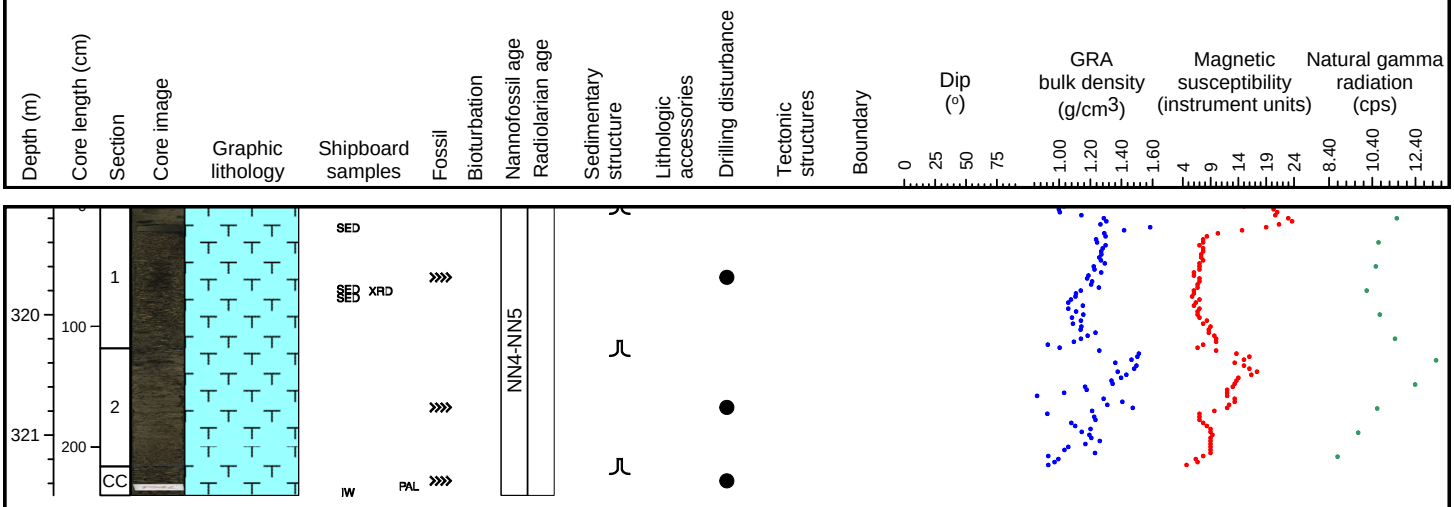
Hole 344-U1412C Core 3R, Interval 309.5-315.28 m (CSF-A)

Contains dominant nannofossils, sponge spicules common to rare diatoms and radiolarians. Rare minerals amphiboles and feldspar. Some glass.
Some clasts of silty greenish gray clay probable fallen in from above that has terrigenous composition like that of the upper part of holes 1412 A and B.
Normal gradation from bottom to top of core probably due to post-drilling segregation.



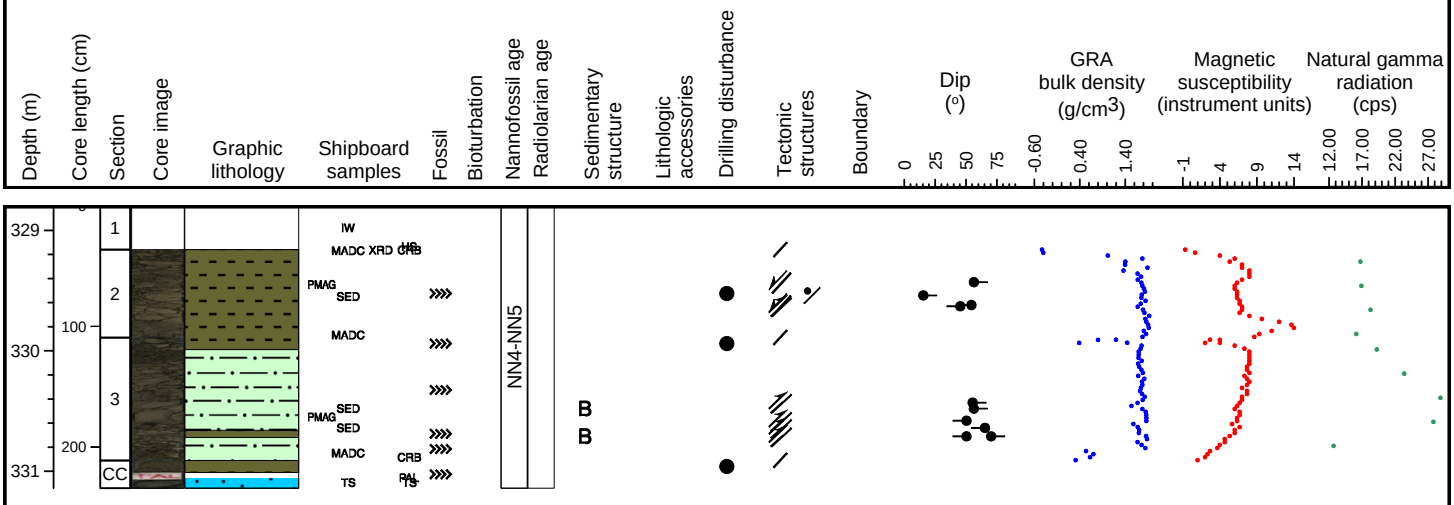
Hole 344-U1412C Core 4R, Interval 319.1-321.5 m (CSF-A)

Contains dominant nannofossils, sponge spicules common to rare diatoms and radiolarians. Rare minerals amphiboles and feldspar. Some glass.
Some clasts of silty greenish gray clay probable fallen in from above that has terrigenous composition like that of the upper part of holes 1412 A and B.
Normal gradation from bottom to top of core probably due to post-drilling segregation. One larger clast between 15 and 21 cm in section 1 that contains tephra traces.



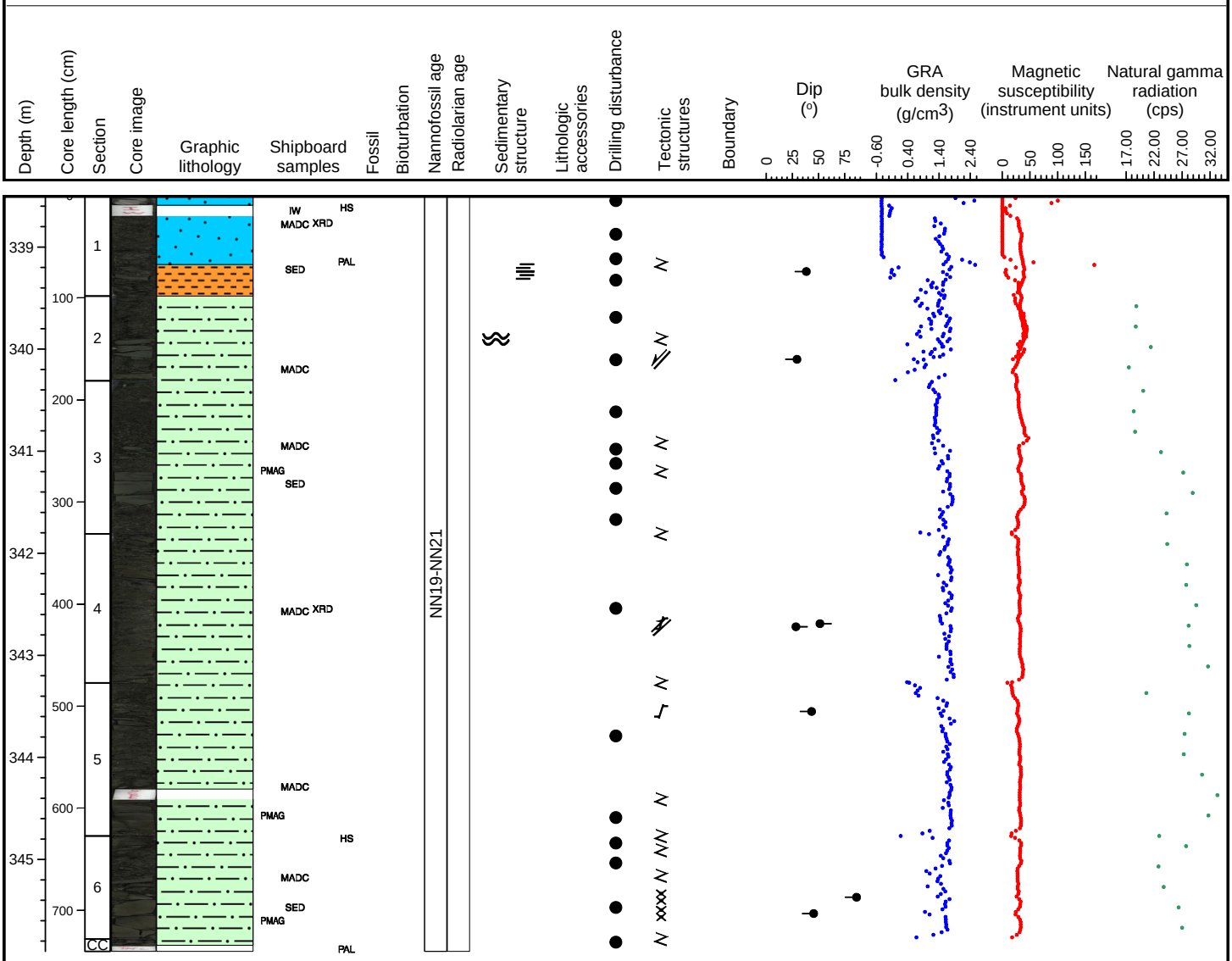
Hole 344-U1412C Core 5R, Interval 328.8-331.14 m (CSF-A)

Nannofossil rich brownish silty clay contains variable amounts of forams and diatoms. Sponge Spicules become more rare as we go downcore. Also variable amounts of minerals that become also very rare towards the bottom, where detrital calcite becomes more common. Section 2 contains depositional alignment of fragments. Some are black lithics clasts that are elongated and also contains lithics of the surrounding silty clay mm scale lamination in section 2 0-60 and section 3 to 10 and 85 to 95 cm.



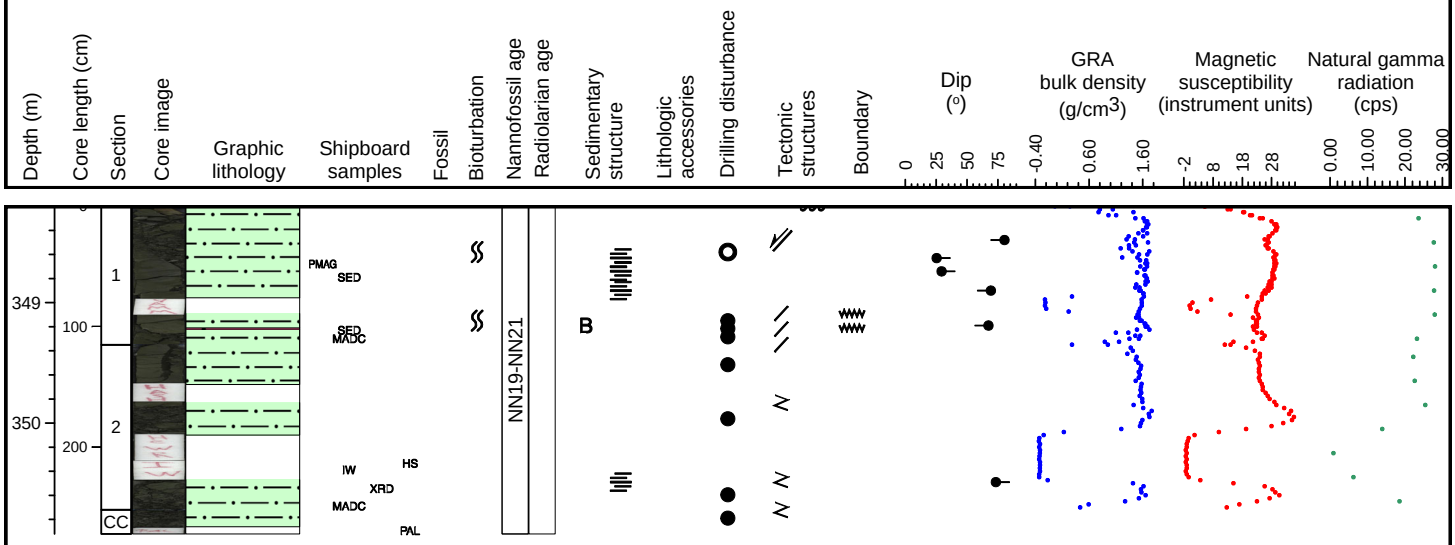
Hole 344-U1412C Core 6R, Interval 338.5-345.9 m (CSF-A)

Dark greenish gray clayey siltstone with mostly calcareous matrix and variable amounts of sand-sized biogenic fragments. Foraminifera and nannofossils in variable amounts. Sometimes laminated. Non-biogenic components in variable amounts: clay matrix, feldspar, sedimentary rock fragments, biotite, glauconite, hornblende, opaques, quartz, calcite, chlorite, actinolite, feldspar, hornblende, biotite and pyroxene. A vein with opaques and pyrite in section 3 at 101 cm. Drilling disturbance varies from destroyed to moderate.



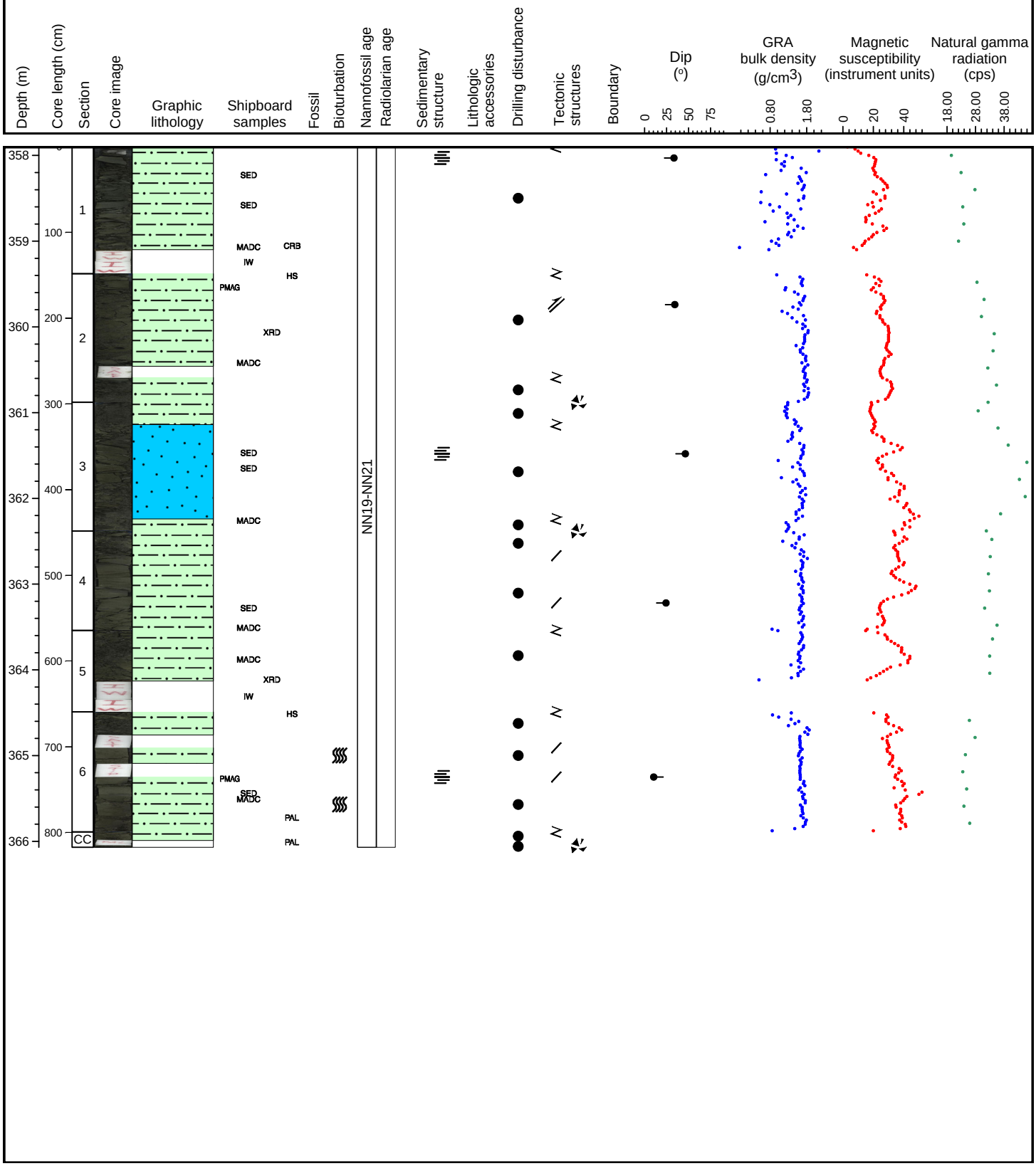
Hole 344-U1412C Core 7R, Interval 348.2-350.92 m (CSF-A)

Dark greenish gray clayey siltstone with mostly calcareous matrix and variable amounts of sand-sized biogenic fragments. In section 1, at 0-7 cm depth an angular clast of limestone. Pyrite streaks in section 1 at 101-102 cm depth.



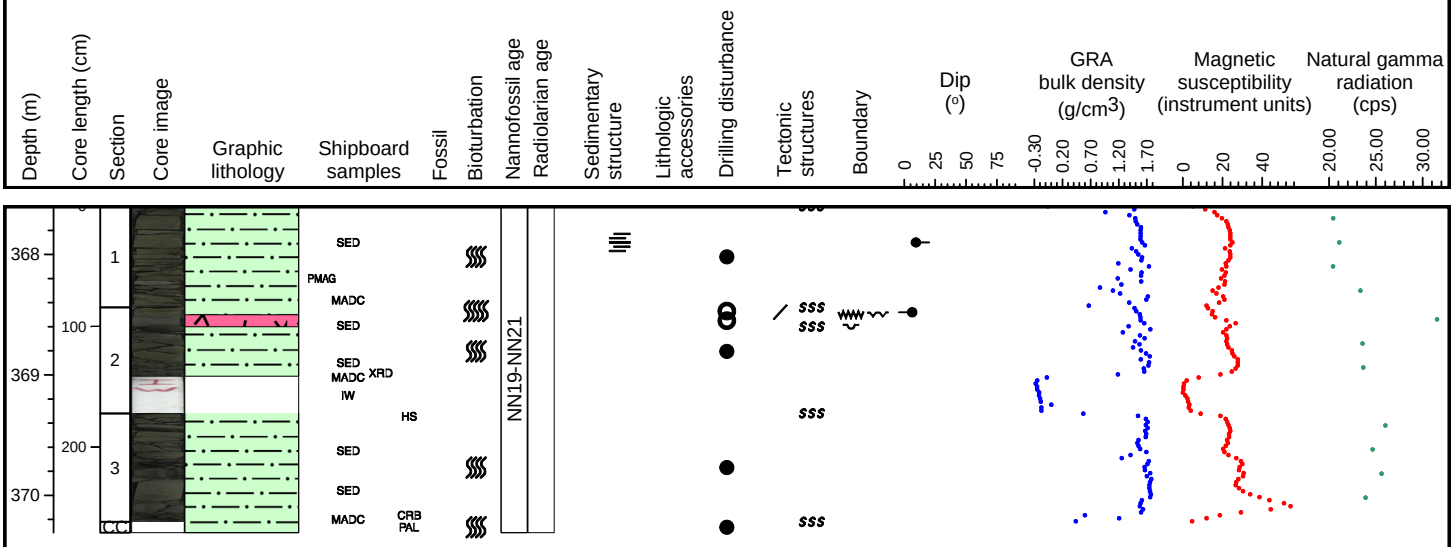
Hole 344-U1412C Core 8R, Interval 357.9-366.07 m (CSF-A)

Dark greenish gray clayey siltstone with mostly calcareous biogenic fragments. Foraminifera and nannofossils in variable amounts. Non-biogenic components are mainly in variable amounts, clay matrix, feldspar, opaques and quartz. One meter-thick layer of calcareous sandstone with abundant biogenic clasts and grains of pyroxene and hornblende. Tephra layer in section 4 at 191 cm, dark ash pod in section 6 at 94 cm.



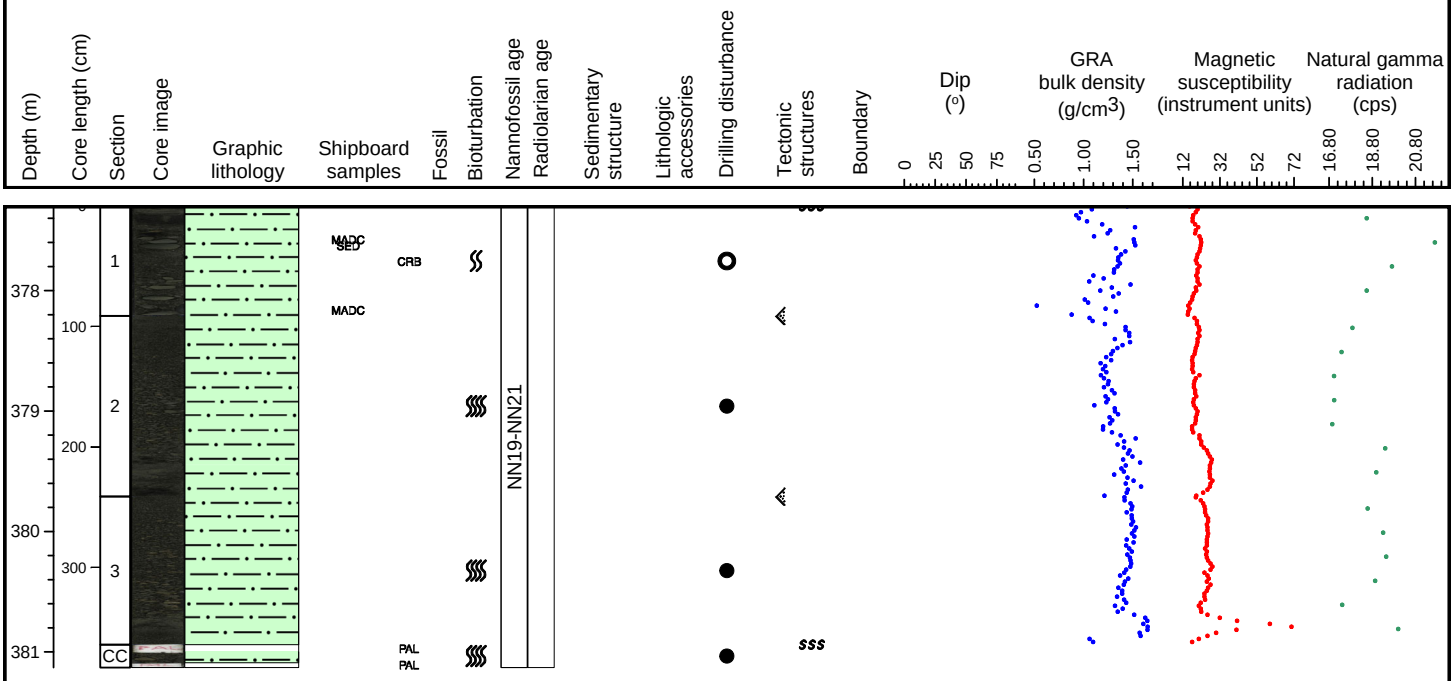
Hole 344-U1412C Core 9R, Interval 367.6-370.31 m (CSF-A)

Dark greenish gray clayey siltstone with mostly calcareous biogenic fragments. A layer of homogenous grey graded sandstone free from biogenic components in section 2 at 6-16 cm. Sandstone has a sharp bottom and a bioturbated top. Bioturbation common with single, mm-thick burrows appearing in section 3. Glauconite in section 3 at 30 cm.



Hole 344-U1412C Core 10R, Interval 377.3-381.13 m (CSF-A)

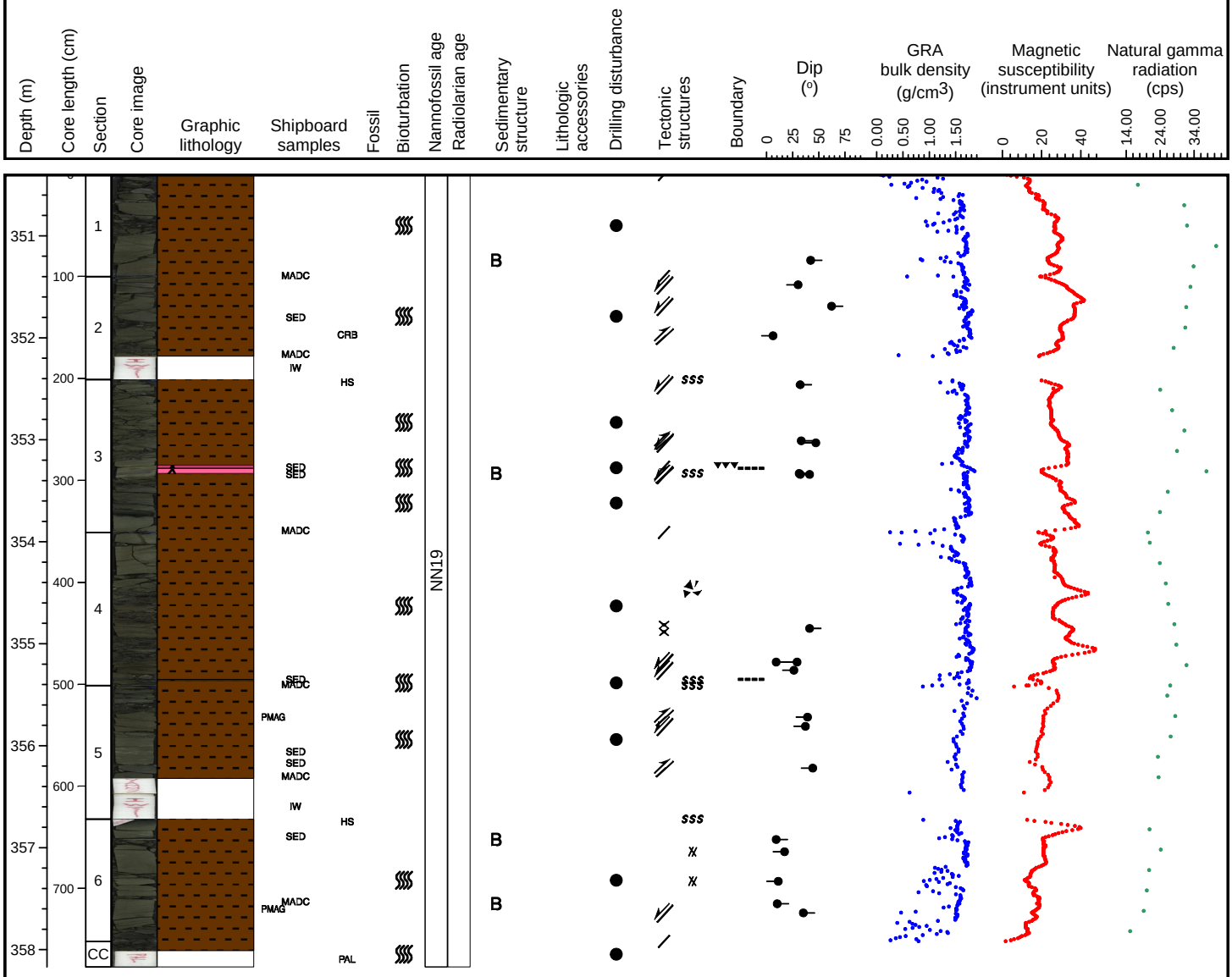
Core is highly disturbed by drilling into gravity segregated segments where fine grained material appears on the top of the drilling segment and becomes coarser downcore. Matrix contains a calcareous detrital background fraction, common nannos, diatom and radiolarians fragments. Minerals are rare hornblende and feldspar. Some glass, lithic and clay fragments.



U1412D-11 Drilled interval

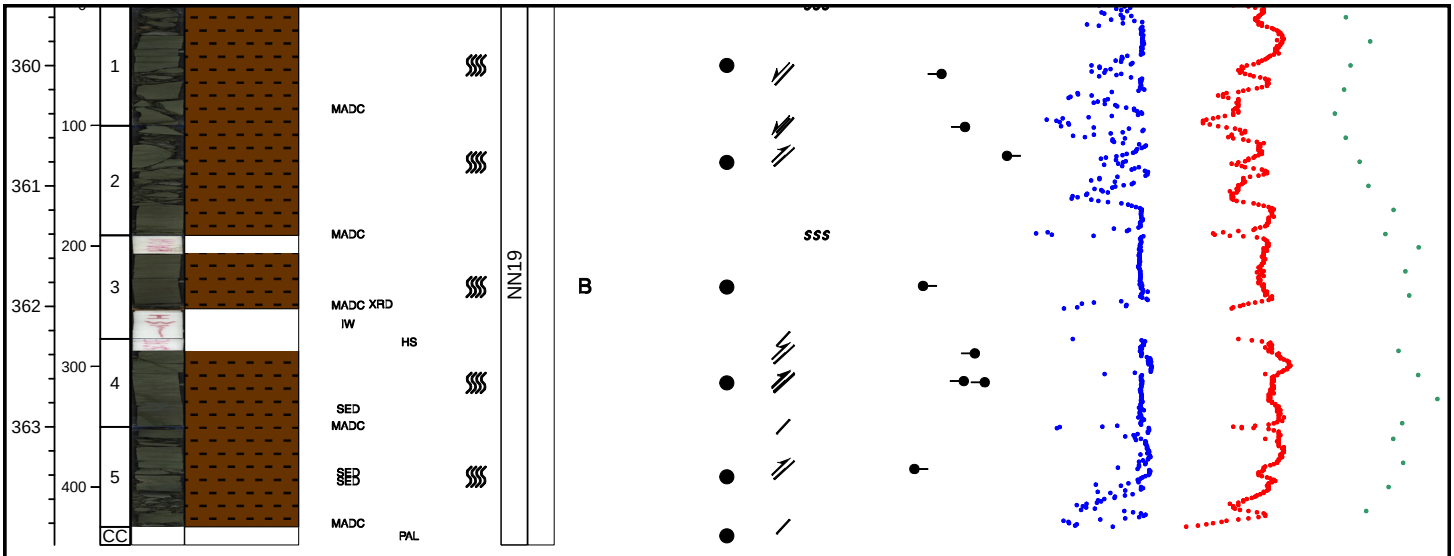
Hole 344-U1412D Core 2R, Interval 350.4-358.17 m (CSF-A)

Dark greyish green clay with silt is moderately bioturbated and contains a few disseminated tephra pods and two layers in section 3 (84 to 86 and 87 to 92 cm.) Layers are heavily altered to pyrite and calcite cemented. Zones of lighter colored material are heavily cemented by calcite. Matrix is mostly terrigenous and almost completely devoid of biogenic material.



Hole 344-U1412D Core 3R, Interval 359.5-363.98 m (CSF-A)

Dark greyish green clay with silt is heavily bioturbated. Matrix is mostly terrigenous and almost completely devoid of biogenic material. Large tephra pod in section 5 (43 to 47 cm.) Bioturbation (?) pods are slightly coarser grained (siltier.)



Sample	Top Depth [m]	Bottom Depth [m]	Description of where smear slide taken	Tephra	Siliciclastic	Detrital carbonate	Biogenic carbonate	Glauconite abundance	Clay minerals abundance	Opaques abundance	Feldspar abundance	Quartz abundance	Glass abundance	Halite abundance	Calcite, allogenic abundance	Hornblende abundance	Pyroxene abundance	Chalcedony abundance	Biotite abundance	Chlorite abundance	Other mineral	Other mineral	Microfossil abundance	Diatoms abundance	Calcareous nannofossils abundance	Foraminifera abundance	Radiolarians abundance	Sponge spicule fragments abundance	Silicoflagellate, ebridian, actiniscidian abundance	Microfossil comment	Macrofossil (fauna) abundance	Macrofossil (fauna) comment	Rock fragment - sedimentary lithic	Rock fragment - volcanic lithic	Rock fragment - plutonic lithic	Principal lithology	General smear slide comment
344-U1412A-1H-3-A 122/122-SED	4.22	4.22		R	D	C	A	C	D	C	A	C	R		C	C	C	C	C				A	C	A	A	C	R					A	C	C		
344-U1412A-1H-3-A 77/77-SED	3.77	3.77		R	D	C	A	R	D	C	A	C	R		C	R	R	C	C				A	C	A	A	C	D					A	R	C		
344-U1412A-2H-1-A 79/79-SS78	6.69	6.69		R	M	C	C	C	D	C	A	C	R		C	C	C	C	C				C	C	R	D	R	R					A	C	A		
344-U1412A-2H-5-A 94/94-SS79	12.84	12.84		R	M		R		M	R	R	R	R										R	C	C	A		A					C	R	R		
344-U1412A-2H-6-A 30/30-SS	13.72	13.72		D	A				R	C	A	C	D			C	C																R	A	C		
344-U1412A-2H-7-A 100/100-SS80	15.26	15.26		C	M	R	C	C	D	C	A	C	C		R	R	R						C	C	A	A	R	R	R				C	R	A		
344-U1412A-3H-2-A 82/82-SS	17.72	17.72		C	D	C	A	C	D	C	A	C	C		R	C	C	R	R				A	C	A	A	C	R					C	C	A		
344-U1412A-3H-3-A 89/89-SS	19.29	19.29		C	D	R	A	C	A	C	A	C	C	R	R	C	C	C	C		serpentine	R	A	R	A	A	R	R					C	C	A		
344-U1412A-3H-5-A 104/104-SS	22.44	22.44		C	A	R	A	C	C	A	A	C	C		R	R	C	C	C				A		C	D							C		A		
344-U1412A-3H-5-A 32/32-SS	21.72	21.72		A	D			C	A	C	A	C	A			C	R	C	C		serpentine	R											R	R	A		
344-U1412A-3H-7-A 45/45-SS	24.85	24.85		R	M	R	C	C	D	R	A	C	R	R	R	R	R	R	R				C	R	A	D		R					C		R		
344-U1412A-4H-2-A 39/39-SS	26.79	26.79		R	M	R	R	C	A	A	A	A	R		R	C	R	R	R				R		M			R					R		R		
344-U1412A-4H-4-A 75/75-SS	30.18	30.18		C	D	R	A	C	D	R	A	C	C		R	R	C	R	R				A	C	A	D		C					C	R	A		
344-U1412A-5H-4-A 81/81-SS	37.08	37.08		R	M	R	C	C	D	C	A	C	R		R	R	C	C	C				C	C	R	M	R	R					C	C	C		
344-U1412A-5H-4-W 67/68-SED	36.94	36.95		R	M				R	R	A	A	R			C	C	R	R				D					M									
344-U1412A-5H-6-A 26/26-SS	38.99	38.99		R	D	R	A	C	A	R	C	C	R		R	R	C				SAPROPel	D	A	C	A	D	C	R					R		A		
344-U1412A-5H-7-A 84/84-SS	39.92	39.92		R	M	R	C	R	A	R	C	C	R		R	R	R	R	R		SAPROPel	D	C	C	A	D		R						R	C		
344-U1412A-6H-2-A 16/16-SS	43.62	43.62		C	A	R	D	R	A	C	A	C	C		R	C	R						D					M									
344-U1412A-6H-3-A 44/44-SS	45.39	45.39		R	M		C	C	D	C	C	C	R			C	R						C	C	A	A		R					C	R	R		
344-U1412A-6H-4-A 83/83-SS	47.31	47.31		R	A	A	D	R	C	C	A	A	R		R	C	R						D		C	C		M									
344-U1412A-6H-5-A 61/61-SS	48.6	48.6		C	M	R	C	C	A	A	A	C	C		R	C	C	C	C		SERPENTINE	R	C	A	A	D		R					A	R	R		
344-U1412A-7H-2-A 30/30-SS	50.82	50.82		C	M	R	C	C	D	R	A	C	C		R	R	R						C	R	D	A		R					C	R	R		
344-U1412A-7H-5-A 16/16-SS	54.93	54.93		C	A	R	D	C	A	C	C	A	C	R	R	R	R	R	R				D		R	R	R	M									
344-U1412A-7H-6-A 77/77-SS	56.74	56.74		C	M	R	C	C	D	C	C	R	C		R	R	R	R	R				C		A	D		R					C	C	C		
344-U1412A-8H-1-A 66/66-SED	58.16	58.16		R	M	R	C	C	R	A	A	C	R		R	C	C	R	R				C	A		D		R					A	C	R		
344-U1412A-8H-3-A 59/59-SED	61.1	61.1		R	M	R	C	C	D	R	A	R	R		R	C	R	R	R		SAPROPEL	R	C		C	M	R	R					A	R	R		
344-U1412A-8H-3-A 62/62-SED	61.13	61.13		C	M		C	C	A	R	A	C	C			R	R	C	C				C	R	C	M	R	R	R				A	R	R		
344-U1412A-8H-4-A 59/59-SED	62.32	62.32		R	M		R	C	D	R	A	C	R			R	C	R	R				R					M					A	C	R		
344-U1412A-10H-1-A 86/86-SED	73.06	73.06		C	D	C	A	C	D	R	A	C	C		C	C	R	R	R				A	C	A	D		C	R				C	R	R		
344-U1412A-10H-6-A 89/89-SED	80.59	80.59		R	M	C	C	C	A	C	A	C	R		C	C	C	R	R				C	C	A	D		R					C	C	C		
344-U1412A-11H-2-A 8/8-SED	82.6	82.6		R	A	R	R	R	C	A	C	R	R		R	R	R				SAPROPEL	D	C			M		R					R				
344-U1412A-11H-3-A 70/70-SED	84.74	84.74		R	M	R	C	R	D	R	A	R	R		R	R	R	R	R				C	C	M	A	R	R					C	C	R		
344-U1412A-12H-3-A 57/57-SED	89.65	89.65		R	M	R	C	C	D	R	A	C	R		R	C	C	R	R				C	C	A	D		R	R				A	C	R		
344-U1412A-13H-1-A 94/94-SS	91.74	91.74		D	A		R	R	R	C	A	C	D			C	C	C	C				R			M									R		

Sample	Top Depth [m]	Bottom Depth [m]	Description of where smear slide taken	Tephra	Siliciclastic	Detrital carbonate	Biogenic carbonate	Glauconite abundance	Clay minerals abundance	Opaques abundance	Feldspar abundance	Quartz abundance	Glass abundance	Halite abundance	Calcite, allogenic abundance	Hornblende abundance	Pyroxene abundance	Chalcedony abundance	Biotite abundance	Chlorite abundance	Other mineral	Other mineral	Microfossil abundance	Diatoms abundance	Calcareous nannofossils abundance	Foraminifera abundance	Radiolarians abundance	Sponge spicule fragments abundance	Silicoflagellate, ebridian, actiniscidian abundance	Microfossil comment	Macrofossil (fauna) abundance	Macrofossil (fauna) comment	Rock fragment - sedimentary lithic	Rock fragment - volcanic lithic	Rock fragment - plutonic lithic	Principal lithology	General smear slide comment
344-U1412A-13H-3-A 72/72-SS	94.42	94.42		R	M	R	C	C	D	R	A	C	R		R	R	R	R	R				C		C	M		R					A	R	C		
344-U1412A-14H-2-A 40/40-SS	97.71	97.71		R	M	R	C	C	D	R	C	C	R		R	R	R	R	R		SAPROPEL	R	C	C	A	D		R					A	C	R		
344-U1412A-14H-3-A 64/64-SS	98.97	98.97		C	M		R	C	A	A	A	C	C			R	R	R	R				R			M		R							R		
344-U1412A-14H-6-A 40/40-SS	101.44	101.44		C	M	R	C	C	A	C	A	C	C		R	R	R	C	C				C		A	M		R					A	C	R		
344-U1412A-15H-3-A 100/100-SS	107.86	107.86		R	M	R	C	R	D	C	A	R	R		R	R	R				SERPENTINE	R	C		M	C		R					R	R			
344-U1412A-15H-3-A 9/9-SS	106.95	106.95		D	A	R	R	R		R	A	C	D		R	C	R	C	C				R					M					R	C	R		
344-U1412A-16X-3-A 81/81-SS	111.9	111.9		R	M	R	C	C	D	C	A	C	R	R	R	R	R	R	R				C		A	A		C	R				C	C	R		
344-U1412A-17X-3-A 30/30-SS	116.24	116.24		C	M	R	C	R	A	R	A	C	C		R	R		R	R				C	C	A	A		R					A	C	R		
344-U1412A-17X-3-A 49/49-SS	116.43	116.43		A	A	C	C	C	A	C	A	C	A		C	C	C						C		A	D		R									
344-U1412A-17X-4-A 31/31-SS	117.75	117.75		A	A		R		C	C	A	C	A			C	C	C	C				R			M									R		
344-U1412A-19X-4-A 69/69-SS	137.26	137.26		C	D	C	C	C	D	C	A	C	C		C	R	R				SERPENTINE	R	C		A	D		R					A	C	R		
344-U1412A-21X-3-SED	154.96	154.96		C	M	R	C	R	A	R	A	R	C		R	R							C	C	A	A		R					A	C	R		

Sample	Top Depth [m]	Bottom Depth [m]	Description of where smear slide taken	Actinolite abundance	Tephra	Siliciclastic	Detrital carbonate	Biogenic carbonate	Glauconite abundance	Clay minerals abundance	Opaques abundance	Feldspar abundance	Quartz abundance	Glass abundance	Halite abundance	Calcite, allogenic abundance	Hornblende abundance	Pyroxene abundance	Chalcedony abundance	Biotite abundance	Chlorite abundance	Other mineral	Other mineral	Microfossil abundance	Diatoms abundance	Calcareous nannofossils abundance	Foraminifera abundance	Radiolarians abundance	Sponge spicule fragments abundance	Silicoflagellate, ebridian, actiniscidian abundance	Microfossil comment	Macrofossil (fauna) abundance	Macrofossil (fauna) comment	Rock fragment - sedimentary lithic	Rock fragment - volcanic lithic	Rock fragment - plutonic lithic	Principal lithology	General smear slide comment
344-U1412B-1H-2-A 123/123-SS	2.73	2.73			R	M		R	M	R	R	A	C	R			C	R	R	R				R			M		R						R	C		
344-U1412B-1H-2-A 92/92-SS	2.42	2.42			R	M	R	C	C	A	C	A	C	R		R	C	C	C	C	R			C	R	C	D	C	R	R				C	R	C		
344-U1412B-1H-3-A 33/33-SS	3.33	3.33		R	A	D		R	R	C	C	A	A	A			C	C	C	C					R	C		M		R	R					C	C		
344-U1412B-1H-4-A 98/98-SS	5.48	5.48			R	D		R	A	D	C	A	C	R			R	C	C	C		SAPROPEL	R	R	C				M					A	R	R		
344-U1412B-1H-5-A 38/38-SS	6.13	6.13			R	D	R	A	C	D	R	A	C	R		R	R	R	R	R				A	A	A	D	R	R	R				R		R		
344-U1412B-3X-1-A 40/40-SS	156.2	156.2		R	C	D	C	A	C	A	C	A	C	C		C	R	R	C	C	R			A		C	M	R	R					A	R	C		
344-U1412B-3X-3-A 51/51-SS	158.53	158.53			C	M	R	C	R	A	C	C	C	C		R	C	R	R	R	R			C		C	M							D	R	C		
344-U1412B-4X-1-A 73/73-SS	166.23	166.23			D	A				R	C	A	C	D			C	C	C	C															C	C		
344-U1412B-4X-2-A 30/30-SS	167.27	167.27			C	D	C	R	R	D	C	A	C	C		C	R	R	R	R		SAPROPEL	R	R		A	D		C					A	R	C		
344-U1412B-7X-3-A 32/32-SED	196.56	196.56			D	A	R		R	C	A	A	C	D		R	C	R	R	R														R	C	R		
344-U1412B-7X-3-A 33/33-SED	196.57	196.57			D	A	R			A	C	A	C	D		R	C	C	C	C														R	C	C		
344-U1412B-7X-3-A 71/71-SED	196.95	196.95			R	D	C	R	C	D	R	A	C	R	R	C	R		R	R				R	C	M	C							R		R		
344-U1412B-8X-1-A 40/40-SED	204.7	204.7			R	D	C	A	R	A	R	A	C	R		C	C	R	R	R				A	C	A	D	R	R					C		R		
344-U1412B-8X-1-A 46/46-SED	204.76	204.76			R	A	C	M	R	R	C	C	C	R		C	R	R	C	C				M	A	C	A	C	C					C	C	R		
344-U1412B-8X-1-A 62/62-SED	204.92	204.92			C	C	C	M		R	C	C	R	C		C		R						M	C	C	C	A	M					C	C			
344-U1412B-8X-CC-A 26/26-SED	205.34	205.34			R	C	C	M		R	R	C	C	R		C		R						M	A	C	A	C	M					C	R			
344-U1412B-8X-CC-A 28/28-SED	205.36	205.36			A	A		R		C	A	A	C	A			R	C						R	A	C	A	C	R					R	A	R		
344-U1412B-9X-CC-A 25/25-SED	214.25	214.25			R	R	C	M		R	R	R	R	R		C		R						M	C	D	A	C	A									
344-U1412B-10X-CC-PAL-TSB-TS#6	223.79	223.83					M		C		C	C	C			M	R	R	R	R														R	C	R	mudstone	THIN SECTION
344-U1412B-13X-CC-A 11/11-SS	243.21	243.21			R	R	C	M		R	R	R	R	R	R	C		R						M	A	A	A	C	A									
344-U1412B-13X-CC-A 15/15-SS	243.25	243.25			R	D	C	A	C	D	C	A	C	R		C	C	R	C	C				A	A	A	A	C	R					C	R	R		
344-U1412B-15X-CC-PAL-TSB#7-TS#7	262.5	262.53					M		C		C	C	C			M	R	R	R	R														R	C	C	mudstone	THIN SECTION
344-U1412B-17X-CC-PAL-TSB#8-TS#8	281.9	281.93					M		C		C	C	C			M	R	R	R	R														R	C	R	mudstone	THIN SECTION
344-U1412B-17X-CC-PAL-TSB#9-TS#9	281.9	282.02					M		C		C	C	C			M	R	R	R	R														R	C	R	mudstone	THIN SECTION

Sample	Top Depth [m]	Bottom Depth [m]	Description of where smear slide taken	Actinolite abundance	Tephra	Siliciclastic	Detrital carbonate	Biogenic carbonate	Glauconite abundance	Clay minerals abundance	Opaques abundance	Feldspar abundance	Quartz abundance	Glass abundance	Halite abundance	Calcite, allogenic abundance	Hornblende abundance	Pyroxene abundance	Chalcedony abundance	Biotite abundance	Chlorite abundance	Other mineral	Other mineral	Microfossil abundance	Diatoms abundance	Calcareous nannofossils abundance	Foraminifera abundance	Radiolarians abundance	Sponge spicule fragments abundance	Silicoflagellate, ebridian, actiniscidian abundance	Microfossil comment	Macrofossil (fauna) abundance	Macrofossil (fauna) comment	Rock fragment - sedimentary lithic	Rock fragment - volcanic lithic	Rock fragment - plutonic lithic	Principal lithology	General smear slide comment
344-U1412C-2R-1-A 2/2-SED	300.02	300.02			R	C	D	A			C	R	R	R		D								A	C	A	R	C	A	R				C	R			
344-U1412C-2R-1-A 99/99-SED	300.99	300.99		R	C	D	R	C	C	D	R	A	C	C		R	R	R	R	R	R			C	R	A	R	A						C	C	C		
344-U1412C-4R-1-A 18/18-SED	319.28	319.28			C	C	D	A	R		C	R	C	C		D								A	C	A	A	C	C	R				R	C	R		
344-U1412C-4R-1-A 69/69-SED	319.79	319.79			C	D	A	A	C	D	R	C	C	C		A			C	C				A	R	A	D	A	R					C	C	R		
344-U1412C-4R-1-A 76/76-SED	319.86	319.86			R	C	D	A			C	R	R	R		D			R	R				A	A	C	A	C	A					A	R			
344-U1412C-5R-2-A 39/39-SED	329.55	329.55			C	C	D	A			C	R	R	C		D								A	R	A	D	R	R					C	R			
344-U1412C-5R-3-A 59/59-SED	330.48	330.48			R	C	D	A			C	R	R	R		D			R	R				A	C	A	A		R					C	C	R		
344-U1412C-5R-3-A 75/75-SED	330.64	330.64			R	C	D	A			C	R	R	R		D								A		D	A							C	C	R		
344-U1412C-6R-1-A 72/72-SS	339.22	339.22		R	R	M	C	C	C	A	R	A	R	R		C	C	R	C	C	R			C		A	D		R					A	C	R		
344-U1412C-6R-3-A 101/101-SS	341.32	341.32			R	M	C	R	C	C	D	A	R	R		C	R	R	R	R	R			R		M								R	C	R		
344-U1412C-6R-6-A 70/70-SS	345.47	345.47			R	A	C	A	C	C	C	A	R	R		C	C	R	C	C	R			A		D	A		R					A	C	R		
344-U1412C-7R-1-A 103/103-SS	349.23	349.23			D	A					R	A	C	D			C	C	C	C															R				
344-U1412C-7R-1-A 59/59-SS	348.79	348.79			R	M	C	C	C	D	C	A	C	R		C	C	C	R	R				C		D	A							A	C	R		
344-U1412C-8R-1-A 33/33-SS	358.23	358.23			R	M	R		R	C	M	R	R	R		R	R	R																R				
344-U1412C-8R-1-A 68/68-SS	358.58	358.58			R	M	C	R	R	M	R	C	C	R		C	R	C	R	R	R			R		C	M							C	R	R		
344-U1412C-8R-3-A 59/59-SS	361.47	361.47				M	C	A	R	A	C	A	C			C	C	C	C	C				A		A	D							A		R		
344-U1412C-8R-3-A 77/77-SS	361.65	361.65			R	A	C	D	R	A	R	C	C	R		C			R	R				D		A	D	R										
344-U1412C-8R-4-A 90/90-SS	363.28	363.28			D	A					C	A	C	D			C	C	C	C																C	R		
344-U1412C-8R-6-A 95/95-SS	365.44	365.44			D	A					C	A	C	D			C	C	C	C																C	R		
344-U1412C-9R-1-A 30/30-SS	367.9	367.9			R	D	C	A	R	D	R	C	R	R		C		R	R	R				A		A	D							A	C	R		
344-U1412C-9R-2-A 15/15-SS	368.59	368.59			D	A					A	A	C	D			C	C	C	C															R	C	R		
344-U1412C-9R-2-A 46/46-SS	368.9	368.9			R	C	D	C	R		C	C	C	R		D			R	R				C		C	M							A	R			
344-U1412C-9R-3-A 31/31-SS	369.63	369.63			C	D	C	C	C	A	R	C	A	C		C	C	R	R	R				C	D		A		R					A	R			
344-U1412C-9R-3-A 64/64-SS	369.96	369.96			C	A	C	A	R	A	R	A	C	C		C	R		R	R				A		A	D							A	C	R		
344-U1412C-10R-1-A 33/33-SED	377.63	377.63			R	C	D	A			R	R	R	R		D			R	R				A	R	C	M	C						C	R			

Sample	Top [cm]	Bottom [cm]	Top Depth [m]	Bottom Depth [m]	Tephra layer/pod shape	Tephra layer/pod color	Tephra layer/pod compaction	Cementation of tephra layer/pod	Bottom contact	Bottom contact dip [deg]	Bottom contact angle [deg]	Top contact	Top contact dip [deg]	Top contact angle [deg]	Component summary	Grain sorting	Grading comment	Grain size of normal graded layers - base	Grain size of normal graded layers - base RANK	Grain size of normal graded layers - top	Grain size of normal graded layers - top RANK	Grain size of reverse graded layers - base	Grain size of reverse graded layers - base RANK	Grain size of reverse graded layers - top	Grain size of reverse graded layers - top RANK
344-U1412A-3H-5-A	22	34	21.62	21.74	layered																				
344-U1412A-3H-5-A	100	102	22.4	22.42	layered																				
344-U1412A-4H-2-A	38	40	26.78	26.8	layered																				
344-U1412A-4H-3-A	58	60	28.48	28.5	layered																				
344-U1412A-13H-1-A	93	95	91.73	91.75	layered	10Y 6/1 (greenish gray)	moderately consolidated	siliciclastic	sharp boundary			sharp boundary				well	normally graded								
344-U1412A-17X-3-A	45	54	116.39	116.48	layered	5GY 2.5/1 (greenish black)	moderately consolidated	siliciclastic	sharp boundary			gradational boundary				well	normally graded, sany at bottom 2 cm, then fining up into clay								
344-U1412A-17X-4-A	28	32	117.72	117.76	layered	10Y 5/1 (greenish gray)	moderately consolidated	siliciclastic	sharp boundary			gradational boundary				well	normally graded								

Sample	Top [cm]	Bottom [cm]	Top Depth [m]	Bottom Depth [m]	Tephra layer/pod shape	Tephra layer/pod color	Tephra layer/pod compaction	Cementation of tephra layer/pod	Bottom contact	Bottom contact dip [deg]	Bottom contact angle [deg]	Top contact	Top contact dip [deg]	Top contact angle [deg]	Component summary	Grain sorting	Grading comment	Grain size of normal graded layers - base	Grain size of normal graded layers - base RANK	Grain size of normal graded layers - top	Grain size of normal graded layers - top RANK	Grain size of reverse graded layers - base	Grain size of reverse graded layers - base RANK	Grain size of reverse graded layers - top	Grain size of reverse graded layers - top RANK
344-U1412C-7R-1-A	101	102	349.21	349.22	layered	N 4 (dark gray)	well consolidated		sharp contact			sharp boundary			colorless glass, plagioclase, amphibole, biotite, pyroxenite											
344-U1412C-9R-2-W	6	16	368.5	368.6	layered	N 4 (dark gray)	well consolidated		sharp boundary			bioturbated boundary or contact			colorless glass, pyroxene, plagioclase, amphibole		graded								